

## CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525



March 9, 1990

DIVISION OF OIL, GAS & MINING

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

Ref: Application for Permit to Drill: Runway 10G-1 Well, San Juan County, Utah

Gentlemen

Attached for your examination and approval is the original and two copies of an Application for Permit to Drill the Runway 10G Well No. 1 in San Juan County, Utah. This well will be drilled as part of an ongoing exploration program.

The location for this well falls outside the guidelines for the State of Utah spacing requirements. However, the topography of the area surrounding the desired location is such as to preclude the well being located in accordance with State requirements and yet remain in a position which will allow the well bore to penetrate geological structures which have been identified by seismic interpretation. We therefore apply for an exception to the General State Spacing requirements on topographic grounds. Chuska Energy controls the acreage surrounding the proposed site, as indicated on the attached land plat.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes

Operations Manager

DSB/cswh

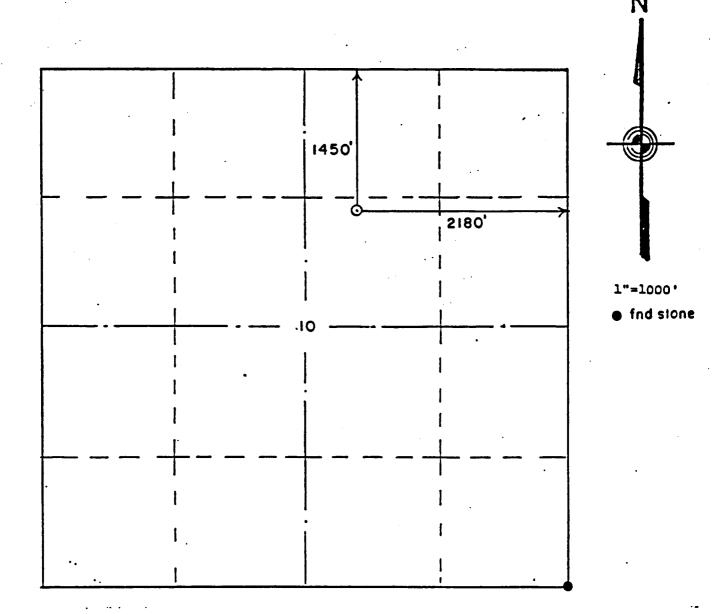
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encl.

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	DIVISI		OIL, GAS AND	MININ		<u> </u>	
					_	5. Lease Designation and Serial No.	
						NOG 8702-1116	
APPLICATION F	OR PFI	RMIT	TO DRILL DEF	PFN	OR PILIG I	BACK 6. If Indian, Allottee or Tribe Name	5
Type of Work			DICTOR DEL		OK 1200 1	Navajo Tribal	
DRILL	(C)		DEED) 5 (C)	377	Property of	7. Unit Agreement Name	
Type of Well	עבעו	:		54 <u>(</u>	7 15 1911 °		
Oil Gas Well		Other	101	Sing	le Mul	ltiple 3. Farm or Lease Name	
Name of Operator		Other	MAR		90	Runway 10G	
Ch.,_l,_				10	JU —	9. Well No.	
Chuska Ene		,,	UIVIS	ON OF			
715 Noveth	D		orming ton, GAS	R. BALL		10. Field and Pool, or Wildcat	
Location of Well (Report	benren	d, Fa	armington, "N	SANIAMAN	MG CO 8/40		
At surface	iocation ciear					Wildcat (001)	
		1450	) FNL, 2180	PEL	SWNE	and Survey or Area	
At proposed prod. zone					June		
		Same				S10 T40S R25E	
Distance in miles and dir	ection from	nearest to	wn or post office*			12. County or Parrish 13. State	
						San Juan Utah	
Distance from proposed* location to nearest	•		16	No. of a	cres in lease	17. No. of acres assigned to this well	
property or lease line, ft. (Also to nearest drig. line	. (f)					to this well	
Distance from proposed l	ocation*		19.	Proposed	depth	20. Rotary or cable tools	
to nearest well, drilling, or applied for, on this lea	rompleted, se. ft.		•				
Elevations (Show whether	·	ato )		7,64	2'	Rotary 22. Approx. date work will start*	
Dietacions (Dilott Wileties	D1, 1(1, G)	., e.c.,				22. Approx. date work will start	
		5,24	2' GR			6-1-90	
		المتشمثية	PROPOSED CASING	ND CEM	ENTING PROGRA	м	
Size of Hole	Size of Ca	asing	Weight per Foot		Setting Depth	Quantity of Cement	
12 1/4"	8	5/8"	24	lb.	500′	371 sx '6' + 6% CaCl_	
7 7/8"	5	1/2"	15.5-20	1b	7,226'	803 sx '6', 65:35 Paz + 6% Gel	

Refer to attached 10-point Drilling Plan etc.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout this report is true and complete to the best of my knowledge. Title Operations Manager APPROVED BY THE STATE Approval Date ... OF UTAH DIVISION OF OIL, GAS, AND MINING Approved by .... Conditions of approval, if any: DATE: \_\_\_\_ BY:\_\_\_ \*See Instructions On Reverse Side WELL SPACING: 15-3-3



WELL LOCATION DESCRIPTION:
Chuska Energy Company, Runway 10 - G - 1
1450'FNL & 2180'FEL
Section 10, T.40 S., R.25 E., SLM
San Juan County, Utah
5242' ground elevation
State plane: x = 2,681,277. y = 248,876.
plus or minus 5', based on existing seismic control

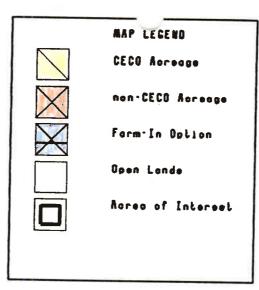
The above plat is true and correct my knowledge and seli

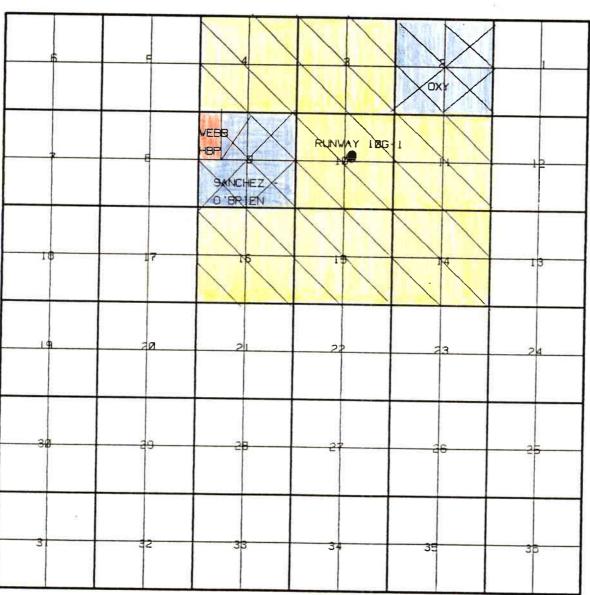
5 March 1990

Gerald G. Huddle

213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

T40S-R25E SAN JUAN COUNTY UTAH





#### CHUSKA ENERGY COMPANY

#### 10 POINT DRILLING PLAN

Runway 10G Well No. 1 Section 10, Township 40S, Range 25E 1450' FNL, 2180' FSL San Juan County, Utah

#### 1. SURFACE FORMATION

Geological name of surface formation: Dakota/Burro Canyon

#### 2. ELEVATION

Surface elevation is 5,242' GR.

#### 3. ESTIMATED FORMATION TOPS

		Sub Sea
<u>Depth</u>	<u>Formation</u>	Elevation
Surface 1272' 1867' 3007'	Dakota/Burro Canyon Navajo Chinle DeChelly	+ 5242' + 3970' + 3375' + 2235'
3117' 3807' 4922' 5812' 5937' 6042' 6142'	Organ Rock Cedar Mesa Hermosa Upper Ismay Lower Ismay Desert Creek Akah Barker Creek	+ 2125' + 1435' + 320' - 570' Primary Target - 695' Secondary Target - 800' Secondary Target - 900' - 1374'
7387 <i>°</i> 7642 <i>°</i>	Mississippian Total Depth	- 2145' - 2400'

#### 4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	Size	Weight	<u>Grade</u>	Coupling
Surface Production:		8 5/8" 5 1/2"	24.0 ppf See deta:		STC ram below

#### Detailed production string (5 1/2"):

<u>Interval</u>	Weight	Grade	Coupling
0' - 40'	20.0 ppf	L-80	LTC
40' - 5,990'	15.5 ppf	K-55	LTC
5,990' - 6,770'	20.0 ppf	L-80	LTC
6,770' - 7,642'	17.0 ppf	K-55	LTC

#### Surface Cementing:

371 sx  $(427 \text{ ft}^3)$  Class 'G' cement with 2% CaCl<sub>2</sub> and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft<sup>3</sup>/sk. Slurry volume will be calculated at 100% excess over annular volume.

#### Production Cementing:

#### First Stage

TD to 4300' (stage collar @  $\pm$  4300'). Lead with 257 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft<sup>3</sup>/sk. Tail with 100 sx Class 'G' cement with 2% CaCl<sub>2</sub>. Weight = 15.8 ppg, yield = 1.15 ft<sup>3</sup>/sk. Total of 590 ft<sup>3</sup>.

#### Second Stage

4300' to surface. Lead with 346 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft/sk. Tail with 100 sx Class 'G' cement with 2%  $CaCl_2$ . Weight = 15.8 ppg, yield = 1.15 ft<sup>3</sup>/sk. Total of 755 ft<sup>2</sup>.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

#### 5. BLOWOUT PREVENTER (See attached schematics)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10"  $\times$  900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

#### 6. PROPOSED MUD PROGRAM

#### Surface to 3500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

#### 3500' to 5900'

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs.

#### 5900' to TD

Saturated salt water, starch, salt gel. Weight 10.0-10.5 ppg, viscosity 35-40 sec/qt. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs. Mud system to be fully converted and conditioned prior to drilling into the Akah at  $\pm$  6,150'.

#### 7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

#### 8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD to 4000'.

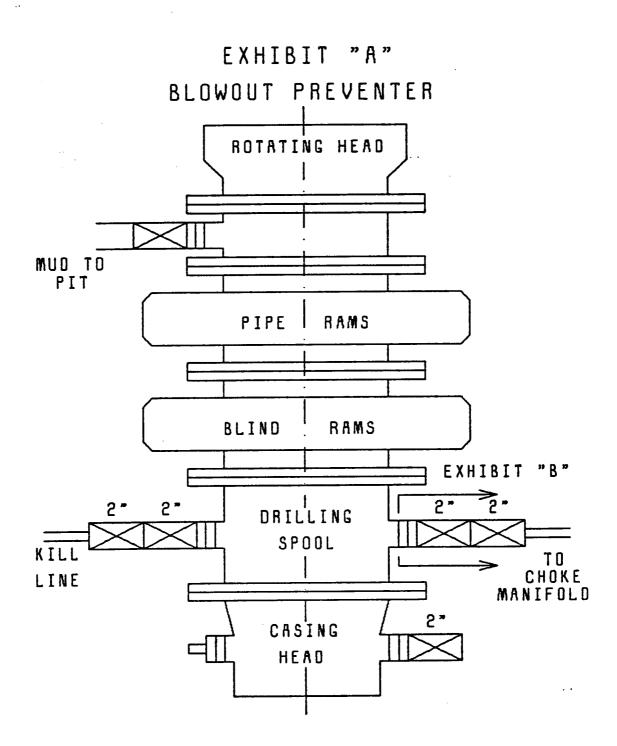
Drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from 4000' to TD.

#### 9. ABNORMAL PRESSURES/GAS

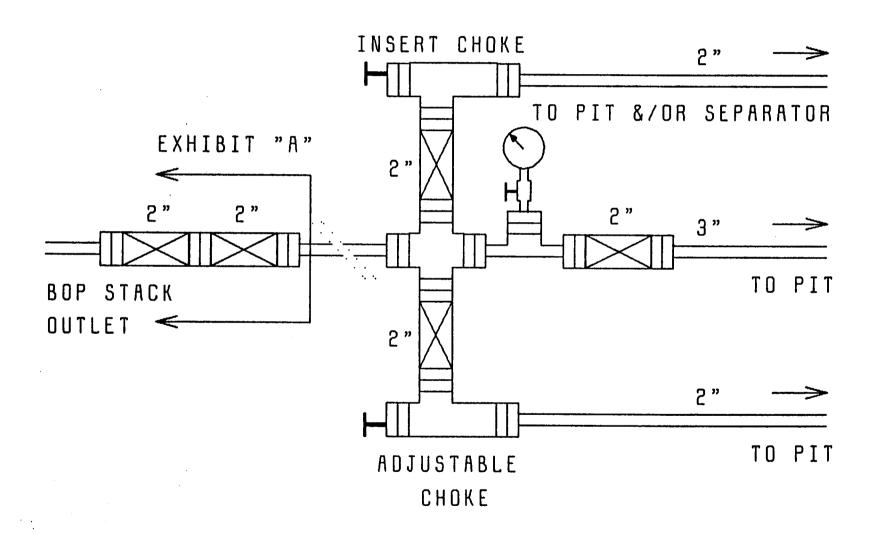
Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit.  $H_2S$  gas is not anticipated, however regular checks will be made while drilling the well.

#### 10. TIMING

The drilling and evaluation of this well is estimated to be 25 days. Anticipated spud date is 6-1-90.



# EXHIBIT "B" CHOKE MANIFOLD



#### DETAILED DRILLING PROGRAM

DATE:

March 9, 1990

WELL NAME:

Runway 10G

WELL NO.: 1

LOCATION:

Section 10, Township 40S, Range 25E

1450' FNL, 2180' FEL San Juan County, Utah

**ELEVATION:** 

5,242' GR

TOTAL DEPTH:

7,642

PROJECTED HORIZON:

Primary target is Upper Ismay at 5,812'.
Secondary target is Lower Ismay at 5,937'.
Secondary target is Desert Creek at 6,042'.

#### DRILLING, CASING AND CEMENTING PROGRAM

- 1. Move in and rig up rotary tools. Notify BLM of time of spud and intent to run surface casing.
- 2. Drill mouse hole and rat hole. Mix mud prior to spudding well.
- 3. Drill 12 1/4" hole to  $\pm$  500'. Use fresh water gel/lime spud mud for drilling surface hole. Well bore inclination is not to exceed 1 at 500'. Deviation surveys will be run at least at 250' and at casing point.
- 4. Run 8 5/8", 24 lb/ft, K-55, STC casing to TD. Cement with 371 sx (427  $\rm ft^3$ ) of Class 'G' cement with 2% CaCl<sub>2</sub> and 1/4 lb/sk Celloflake (sufficient slurry volume to circulate cement to surface).
- 5. W.O.C. a minimum of 4 hours prior to nippling up BOP stack and related equipment. See BOP schematics for details.
- 6. Pressure test BOP to 2,000 psi for 30 minutes. Pressure test manifold and all related equipment to 2,000 psi. Pressure test casing to 1,500 psi for 30 min.
- 7. Drill out surface casing with 7 7/8" bit. Drill 7 7/8" hole to  $\pm$  5,900'. Deviation surveys are to be taken every 500' or on a bit trip, whichever occurs first. Maximum allowable deviation will be 5 at TD, with the maximum allowable rate of change to be 1/100'.

- 8. Break over fresh water mud to saturated salt water, starch, salt gel system. Ensure conversion is complete and mud is conditioned prior to drilling into the Akah at  $\pm$  6,150'. Drill and survey to TD.
- 9. Run open hole logs and evaluate. Drill stem testing will be as per the wellsite geologist's recommendation.
- 10. If the well is determined to be productive, run 5 1/2" casing, as detailed in 10-Point Drilling Plan, to TD. Set stage cementing collar at  $\pm$  4,300°. Cement in two stages as per cementing program in 10-point Drilling Plan.
- 11. Nipple down BOPE. Set 5 1/2" casing slips and cut off casing. Install well head. Release drilling rig and move rig off location.
- 12. If well is non-productive it will be plugged and abandoned as per State, BLM and Navajo Tribal stipulations.

Runway 10G Well No. 1 Section 10, Township 40S, Range 25E 1450' FNL, 2180' FSL San Juan County, Utah

#### GENERAL COMPLETION PROCEDURE

If the well is determined to be productive, move in completion rig. Perforate, acidize, and test each productive porosity zone. Completion work will commence after Sundry Notice approval is received. Detailed procedures will follow.

#### PLUGGING AND ABANDONMENT

If the well is determined not to be productive, the well bore will be plugged as per BLM, State and Navajo Tribal requirements.

Runway 10G Well No. 1 Section 10, Township 40S, Range 25E 1450' FNL, 2180' FSL San Juan County, Utah

#### SURFACE USE PLAN

#### 1. EXISTING ROADS

Shown on the attached topographic map are the existing roads in the immediate area. Outlined is the route to be followed on the Hovenweep road. Existing roads will be maintained, as necessary, while operations are in progress.

#### 2. PLANNED ACCESS ROAD (SHOWN IN RED)

The access road will be as shown on the attached topographic map. The road will be flat bladed, constructed 14' in width and will be maintained as necessary to prevent excessive damage to the existing terrain. The road will be upgraded if commercial production is established. Approximately 1,000' of new road will be required to be constructed to the location pad.

#### 3. LOCATION OF EXISTING WELLS & TANK BATTERIES

There are no other producing wells or facilities in the immediate area.

#### 4. LOCATION OF EXISTING AND PROPOSED FACILITIES

No production facilities are presently in place. Should the well prove to be productive, facilities (tank battery etc) will be sited on the drilling location pad.

#### 5. LOCATION & TYPE OF WATER SUPPLY

Water will be acquired from a private source. The water will be hauled from a flowing well permitted to Hay Hot Oil Inc., permitted under Water Right 09-1419, A60809.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

The need for additional construction materials is not anticipated. In the event that additional materials are required, they will be acquired either from private sources or with the approval of the Navajo Nation.

#### 7. METHODS OF HANDLING WASTE MATERIAL

Trash will be contained on location in an enclosed bin. It will be hauled to an approved disposal site or burned on location if a burning permit is granted. The reserve pit will be lined, with an approved 7 mil liner, for containing drilling fluids. The pit will also be fenced. All drilling fluids, cuttings and chemical waste will be stored in the reserve pit. Liquid hydrocarbons will be stored in temporary storage tanks and hauled from location to approved sales facilities. The reserve pit will be emptied, back filled and restored to natural terrain status upon completion of drilling operations.

#### 8. ANCILLARY FACILITIES

Chemical portable toilet facilities will be provided on location during drilling and completion operations. No camps or air strips are planned for this well.

#### 9. WELL SITE LAYOUT

Attached is a surveyor's staking plat, cut and fill requirements and a schematic of the proposed rig layout.

#### 10. PLANS FOR RESTORATION OF THE SURFACE

The location is laid out on a generally north south trend and will require up to 25' of cut in the reserve pit (up to 2' on the southern side of the location pad) up to 10' of fill in the south west corner. Top soil removed from the pad will be stored at the well site. A reserve pit will be built terrain containing sparse native vegetation. After drilling operations are complete, drilling fluid in the reserve pit will be allowed to evaporate. All remaining fluid in the pit will be disposed of into an approved disposal site. The reserve pit will remain fenced during the evaporation and disposal process. The pit will then covered and the topsoil will be returned to the disturbed area. The terrain will be returned as near to its original condition as possible. Following operations, rehabilitation seeding will be in accordance with APD/BLM/BIA stipulations. There are no residents in the immediate area of the site.

CHUSKA ENERGY COMPANY
315 NORTH BEHREND AVENUE
FARMINGTON, NEW MEXICO 87401
DONALD S. BARNES

#### 12. CERTIFICATION

I hereby certify that either I, or persons under my direct supervision have inspected the proposed drill site and access route: that I am familiar with the conditions which presently exist: that the statements made in this plan are, to the best of my knowledge, true and correct and that the work planned will be performed by Chuska Energy, or its subcontractors, in conformity with the terms and conditions under which it is approved.

DONALD S. BARNES

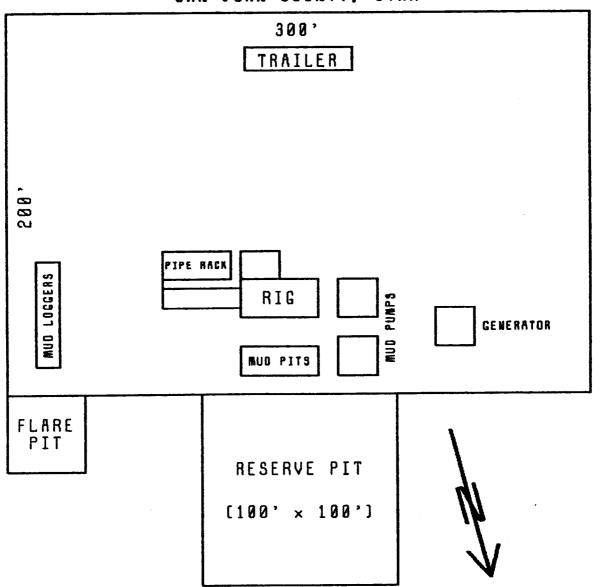
Operations Manager

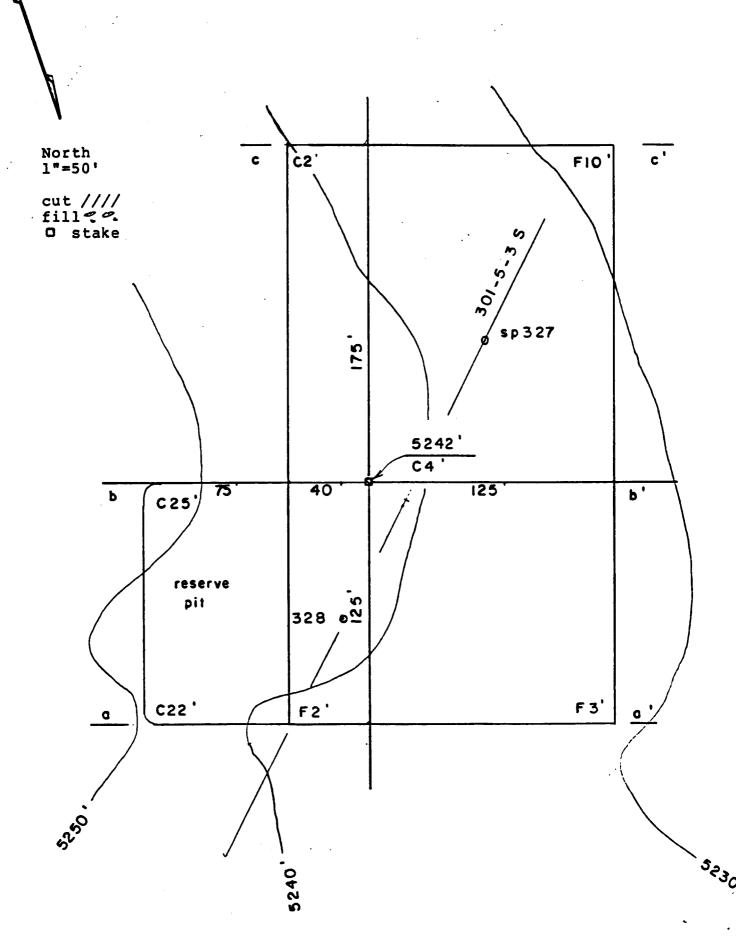
LOCATION LAYOUT

CHUSKA ENERGY COMPANY

## RUNWAY 10G-1

1450, FNL, 2180' FEL SECTION 10, TOWNSHIP 40S, RANGE 25E SAN JUAN COUNTY, UTAH





Cut ////
Fill =:

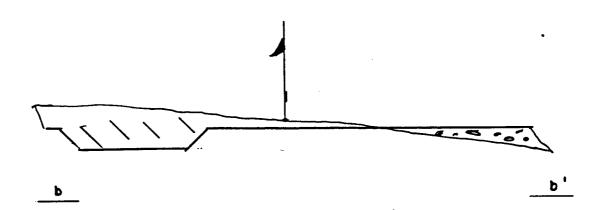
Cross Section Runway 10 - G - 1

1"=50' Horz. & Vert.

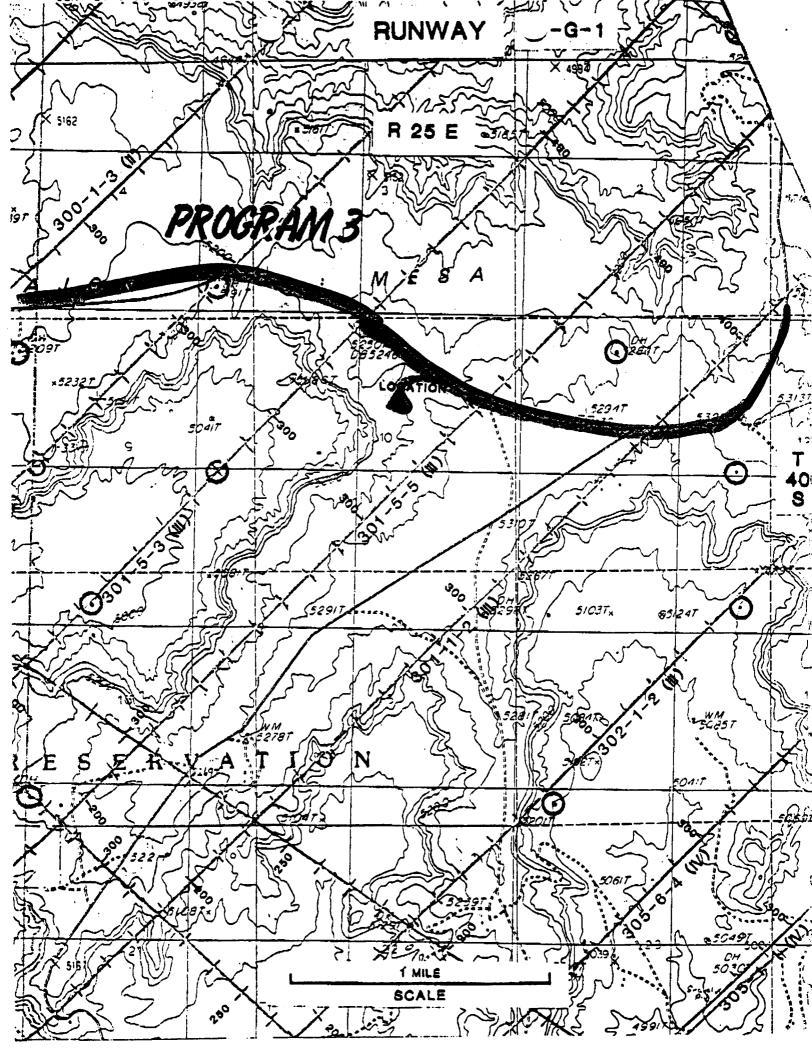
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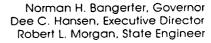
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#### STATE ACTIONS

Mail to: RDCC Coordinator 116 State Capitol Salt Lake City, Utah 84114

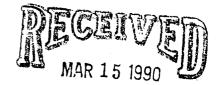
1.	ADMINISTERING STATE AGENCY OIL, GAS AND MINING 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203		(assigned by State	•
4.	AREAWIDE CLEARING HOUSE(s) RECEIVI (to be sent out by agency in block Southeastern Utah Association of	1)		
5.	TYPE OF ACTION: /_/ Lease /X/ P /_/ Land Sale /		it /_/ License Land Exchange /_	
6.	TITLE OF PROPOSED ACTION: Application for Permit to Drill			
7.	DESCRIPTION: Chuska Energy Company proposes t #1, on Navajo Tribal lease numbe Utah. This action is being pres resource issues affecting state Management or the Bureau of Indi agency in this case and must iss commence.	r N ent int an	OG 8702-1116 in Sa ed to RDCC for con erests. The U.S. Affairs is the pri	n Juan, County, sideration of Bureau of Land mary administrative
8.	LAND AFFECTED (site location map r SW/4 NE/4, Section 10, Township Utah			
9.	HAS THE LOCAL GOVERNMENT(s) BEEN C Unknown	ONT	ACTED?	
10	POSSIBLE SIGNIFICANT IMPACTS LIKE Degree of impact is based on the quantities.			gas in commercial
11.	NAME AND PHONE NUMBER OF DISTRICT PROJECT SITE, IF APPLICABLE: Glenn Goodwin, Monticello, 587-2			YOUR AGENCY NEAR
12	FOR FURTHER INFORMATION, CONTACT:	13	. SIGNATURE AND TA	TLE OF AUTHORIZED
	John Baza PHONE: 538-5340		DATE: 3/16/90	Petroleum Engineer





Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

March 13, 1990



DIVISION OF OIL, GAS & MINING

Chuska Energy Company Attn: Donald S. Barnes, Operations Manager 315 North Behrend Farmington, New Mexico 87401

Re: 1) Barnes 18M Well #1: SW4SW4 Sec. 18, T40S, R25E, SLB&M
2) East Rim 15L Well #2: NW4SW4 Sec. 15, T40S, R25E, SLB&M

3) Finger Mesa 15P Well #1: SE4SE4 Sec. 15, T40S, R25E, SLB&M

4) NW Cajon 1I Well #1: NE4SE4 Sec. 1, T40S, R24E, SLB&M

5) Runway 10G Well #1: SW4NE4 Sec. 10, T40S, R25E, SLB&M

#### Dear Mr. Barnes:

This letter will serve as authorization from this Division to proceed with the drilling at the five noted locations. It is understood that the drilling and maintenance water will be hauled to the sites by Hay Hot Oil Inc. under their existing water right 09-1419 (A60809). It is also noted on your request that 1.0 acre feet of water will be required at each location.

If you have any questions concerning this matter, please feel free to contact me.

Sincerely,

Mark P. Page Area Engineer

Cc: Lisha Romero, Div. of Oil, Gas & Mining Jerry Howell, Hay Hot Oil Inc.

MPP/mjk



## CHUSKA ENERGY COMPANY

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

RECEIVED

March 9, 1990

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MAR 15 1990

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MAR 12 1990

WATER RIGHTS PRICE

State of Utah Water Rights Division P.O. Box 718 Price, Utah 84501-0718

Attn: Mr Mark Page

Ref: Water Use Permits:

Barnes 18M Well No. 1 5050 13 4025 East Rim 15L Well No. 2 nww 1540 25 Well No. 1 5656 1540 25 Finger Mesa 15P 140 24 NW Cajon Well No. 1 nese 1 I 10 40 25 Well No. 1 SWAE Runway 10G

Dear Mr Page

Chuska Energy Company proposes to drill the subject wells commencing in late May/early June. We intend to haul water in tank trucks, utilizing Hay Hot Oil Service who will obtain water from their artesian well, details of which are as follows:

1050' FNL, 1575' FWL S27 T40S R23E San Juan County, Utah

Permit No: 09-1419 (A60809)

Anticipated water requirements are 1.0 acre-feet per well. Site locations are as detailed in the attached topographic map and staking plats.

Please advise if you require any further information.

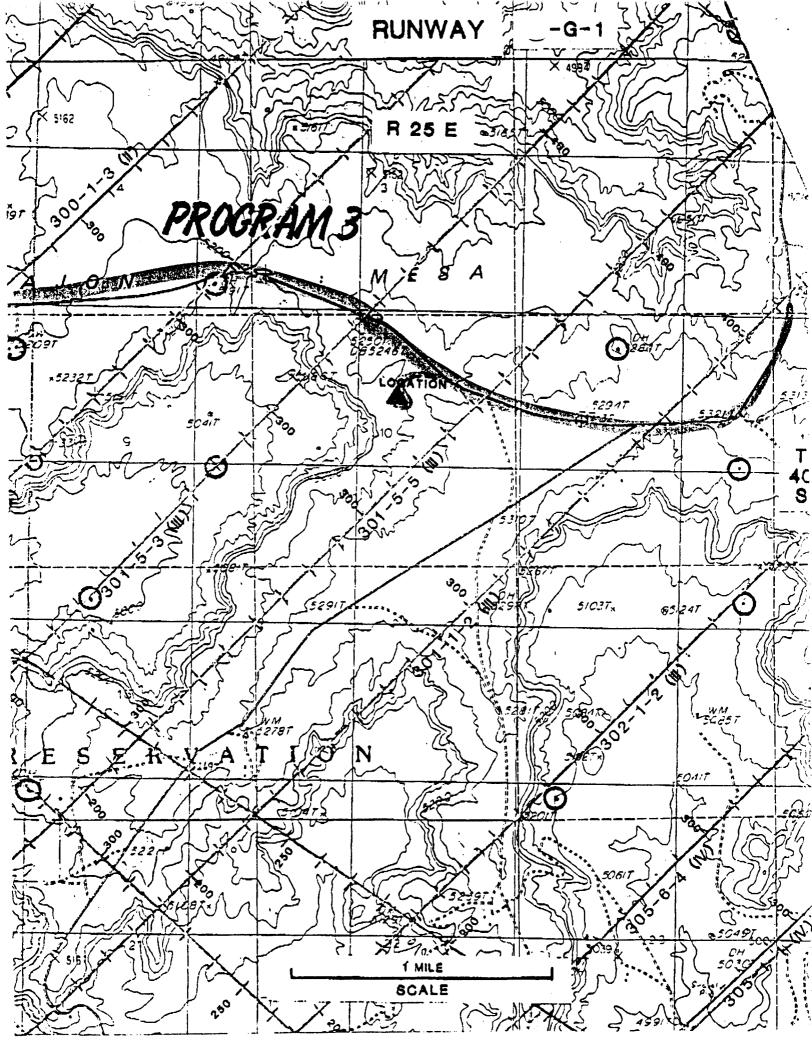
Sincerely yours

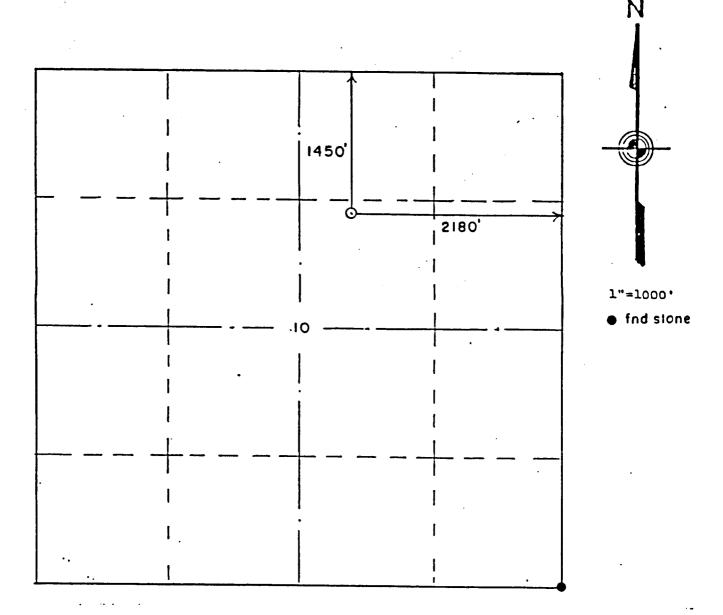
Donald S. Barnes Operations Manager

DSB/cswh

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encl.





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1450'FNL & 2180'FEL
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5242' ground elevation
State plane: x = 2,681,277. y = 248,876.
plus or minus 5', based on existing seismic control

The above plat is true and correct my knowledge and

5 March 1990

Gerald G. Huddle

213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

Selief.

Wo. 5705

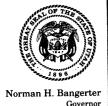
GEHALD G

1e MUDDLES TON

OPERATOR Chuska Energy	Company ( N9290)	DATE 3-13-90
WELL NAME <u>Funway 106</u> #	-1	
SEC SWNE 10 T 40S	R 25E COUN	TY <u>San Juan</u>
43-037-31515 API NUMBER		dian (2) PE OF LEASE
CHECK OFF:		
PLAT	BOND	NEAREST WELL
LEASE	FIELD	POTASH OR OIL SHALE
PROCESSING COMMENTS: No other well wither	920	·
Water Permit 09-1419		l- Dil Inc.)
Exception location r	, ,	
/ / -	uss 3-30-90	
		EL to 1710 FNL, 2450 FEL
APPROVAL LETTER:		
SPACING: R615-2-3	UNIT	R615-3-2
	CAUSE NO. & DATE	R615-3-3
STIPULATIONS:		
CC: BIA		
•		

0218T

CONFIDENTIAL
PERIOD
EXPIRED
ON 10-11-91



Max J. Evans

Director

## State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development

300 Rio Grande Salt Lake City, Utah 84101-1182 801-533-5755 REGERVISD APR 0 2 1990

March 29, 1990

DIVISION OF OIL, GAS & MINING

Mr. John Baza Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203

RE: Application for Permit to DRill, Runaway 10G #1, Navajo Lease NOG 8702-1116

In Reply Please Refer to Case No. 90-0380

Dear Mr. Baza:

The Utah State Historic Preservation Office received information on the project referenced above on March 26, 1990. No prehistoric or historic sites have been recorded within the project area because no cultural surveys have been conducted. A high potential for finding cultural resources exists in the project area because there are a number of sites identified within the general area, but outside of the project area.

It is your responsibility, as required by the Department of Housing and Urban Development, to determine the need for further actions, such as field surveys or records searches to identify historic properties. If you choose to do this, or if previously unidentified historic properties are encountered during the course of the project, we will be glad to comment on your evaluation of historic properties against the National Register criteria (36 CFR 60.4) should any historic structures or sites be found.

We will also assist in applying the criteria of effect as outlined in 36 CFR 800.5 and 800.9 to those properties found to be eligible for or listed on the National Register.

This information is provided on request to assist the Division of Oil, Gas and Mining, as required by the Department of Housing and Urban Development, in meeting the Section 106 requirements of the National Historic Preservation Act of 1966. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,

James L. Dykman

Regulation Assistance Coordinator

JLD:90-0380/8668V OR/

c: RDCC



## **CHUSKA ENERGY COMPANY**

315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

NEGIETO WAR APR 04 1990

OIL, GAS & MINING

April 2, 1990

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

Ref: Sundry Notice: Runway 10G-1: Move Location/Change Name

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice. The site for the subject well is being moved due to a combination of detection of a surveying error and enhanced seismic interpretation.

Please advise if you require additional information concerning this application. Chuska will greatly appreciate your prompt consideration.

Sincerely,

Donald S. Barnes
Operations Manager

DSB/cswh

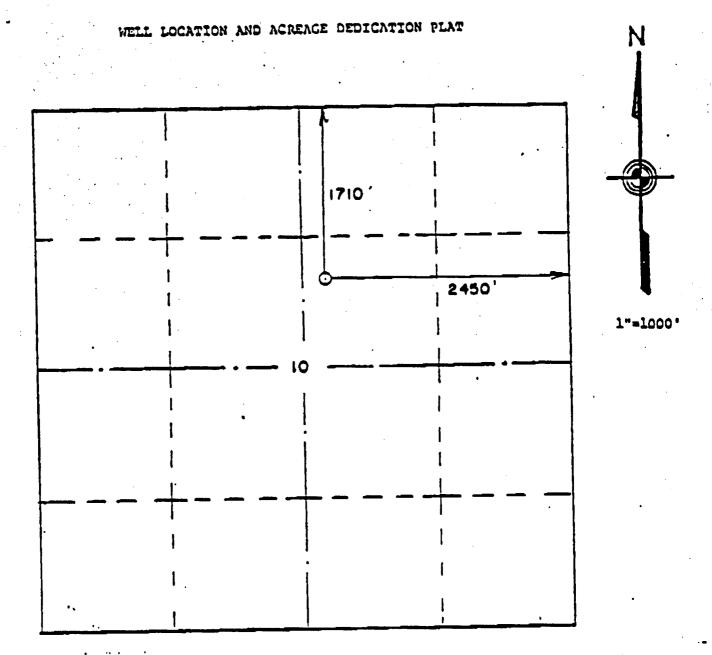
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encl.

## STATE OF UTAH DIVISION OF OIL, GAS AND MINING

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315 North Behrend,	Farmington, New	Mexico 87401	9. WELL NO.	
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APPROK. DATE WORK WILL START	6-1-90	DATE OF COMPLETION		
	letection of a s	• Must be accomp urveying error	anied by a cement ver	ifiction report
interpretation, it h The new location det		•	cation for t	this well
Old Location: 1450' Old Elevation: 5,242		New Location: New Elevation:	•	<b>≥450</b> 00 FEL
Refer to attachments	: revised staking	APPROVED OF UTAH OIL. GAS	BY THE STATION OF AND MINING	TE
	$\mathcal{O}$	WELL SPAC	ING: _R6 5-3-	-3
8. I hereby certify has one forestain a SIGNED Donald ST	,	erations Manager		2-90
(This made for Federal or Stage office	(e use)			
APPROVED BY 43-03 CONDITIONS OF APPROVAL, IF	<u>7-3/5/5</u> TITLE		DATE	<del></del>



WELL LOCATION DESCRIPTION:

Chuska Energy Company, Runway 10 - G - 1
1710'FNL & 2450'FEL
Section 10, T.40 S., R.25 E., SLM
San Juan County, Utah
5219' ground elevation
State plane: x = 2,680,999 y = 248,620"
plus or minus 5', based on existing seismic

The above plat is true and correct to my knowledge de de 18705

2 April 1990

Gerald G. Huddles on 1

Genles S. Ru

213 East Montezuma Avenue - Cortez, Colorado 81321 - 303-565-3330

#### CHUSKA ENERGY COMPANY

#### 10 POINT DRILLING PLAN

Runway 10G Well No. 1 Section 10, Township 40S, Range 25E 1710' FNL, 2450' FSL San Juan County, Utah

#### 1. SURFACE FORMATION

Geological name of surface formation: Dakota/Burro Canyon

#### 2. ELEVATION

Surface elevation is 5,219' GR.

#### 3. ESTIMATED FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Sub Sea</u> Elevation
Surface 1249' 1844' 2984' 3094' 3784' 4899' 5789' 5914' 6019' 6119' 6593' 7364'	Dakota/Burro Canyon Navajo Chinle DeChelly Organ Rock Cedar Mesa Hermosa Upper Ismay Lower Ismay Desert Creek Akah Barker Creek Mississippian Total Depth	+ 5242' + 3970' + 3375' + 2235' + 2125' + 1435' + 320' - 570' Primary Target - 695' Secondary Target - 800' Secondary Target - 900' - 1374' - 2145' - 2400'

### 4. PROPOSED CASING/CEMENTING PROGRAM

	<u>Depth</u>	Size	Weight	<u>Grade</u>	Coupling
Surface	500′	8 5/8"	24.0 ppf		STC
Production:	7,619′	5 1/2"	See detai		am below

#### Detailed production string (5 1/2"):

<u>Interval</u>	Weight	Grade	Coupling
0' - 40'	20.0 ppf	L-80	LTC
40' - 5,990'	15.5 ppf	K-55	LTC
5,990' - 6,770'	20.0 ppf	L-80	LTC
6,770' - 7,619'	17.0 ppf	K-55	LTC

#### Surface Cementing:

371 sx (427 ft $^3$ ) Class 'G' cement with 2% CaCl $_2$  and 1/4 lb/sk Celloflake. Weight = 15.8 ppg, yield = 1.15 ft $^3$ /sk. Slurry volume will be calculated at 100% excess over annular volume.

#### Production Cementing:

#### <u>First Stage</u>

TD to 4300' (stage collar @  $\pm$  4300'). Lead with 255 sx Class 'G' cement, 65:35 Pozmix, with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft /sk. Tail with 100 sx Class 'G' cement with 2% CaCl<sub>2</sub>. Weight = 15.8 ppg, yield = 1.15 ft /sk. Total of 586 ft .

#### Second Stage

4300' to surface. Lead with 346 sx Class 'G' cement, 65:35 Pozmix with 6% gel and 1/4 lb/sk Celloflake. Weight = 12.7 ppg, yield = 1.85 ft/sk. Tail with 100 sx Class 'G' cement with 2% CaCl<sub>2</sub>. Weight = 15.8 ppg, yield = 1.15 ft<sup>3</sup>/sk. Total of 755 ft<sup>3</sup>.

Note: Exact slurry volumes for the production string will be adjusted according to the caliper log which will be run prior to cementing. Special adjustments may be necessary if significant amounts of salt are drilled.

## 5. <u>BLOWOUT PREVENTER</u> (See attached schematics)

As abnormal pressure is not anticipated, a 2000 psi BOP system would be sufficient for the drilling of this well. However, due to availability constraints, a 3000 psi system will be used, as per the attached Exhibits "A" and "B". This will be a 10"  $\times$  900 Series double ram preventer, equipped with a set of pipe and blind rams.

An accumulator system, with a pressure capacity sufficient to operate the rams three complete cycles without rig power, will be required as part of the rig equipment.

#### 6. PROPOSED MUD PROGRAM

#### Surface to 3500'

Fresh water, gel, lime and native solids. Weight 8.3 - 8.7 ppg. Gel/lime sweeps as necessary for hole cleaning.

#### 3500' to 5900'

Low solids, non-dispersed polymer system. Weight 8.6 - 8.8 ppg. Gel/lime sweeps as hole conditions dictate for hole cleaning. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs.

#### 5900' to TD

Saturated salt water, starch, salt gel. Weight 10.0-10.5 ppg, viscosity 35-40 sec/qt. Fluid loss to be maintained at 15 cc or less. Fluid loss to be further reduced to 10 cc or less prior to coring, logging or DSTs. Mud system to be fully converted and conditioned prior to drilling into the Akah at  $\pm$  6,120'.

#### 7. AUXILIARY EQUIPMENT

- A. A kelly cock will be installed during drilling operations, with handle available on the rig floor.
- B. Floor (stabbing) valves will be available, on the rig floor at all times, with necessary subs to fit all of the drilling assemblies.
- C. Mud will be the circulating fluid. No abnormal formation pressures are expected.

#### 8. WELL EVALUATION

Open hole electric logging program will consist of a minimum program of DLL-MSFL-SP-GR-Cal, FDC-CNL-GR-Lithodensity from TD to 4000'.

Drill stem testing will be as per the wellsite geologist's recommendations, based on shows. A mud logging unit will be utilized during drilling operations from 4000' to TD.

#### 9. <u>ABNORMAL PRESSURES/GAS</u>

Abnormal pressures are not anticipated. Monitoring of gas and hydrocarbon shows will be by wellsite mud logging unit.  $H_2S$  gas is not anticipated, however regular checks will be made while drilling the well.

#### 10. TIMING

The drilling and evaluation of this well is estimated to be  $25 \, \text{days}$ . Anticipated spud date is 6-1-90.

Cross Section

Runway 10 - G -

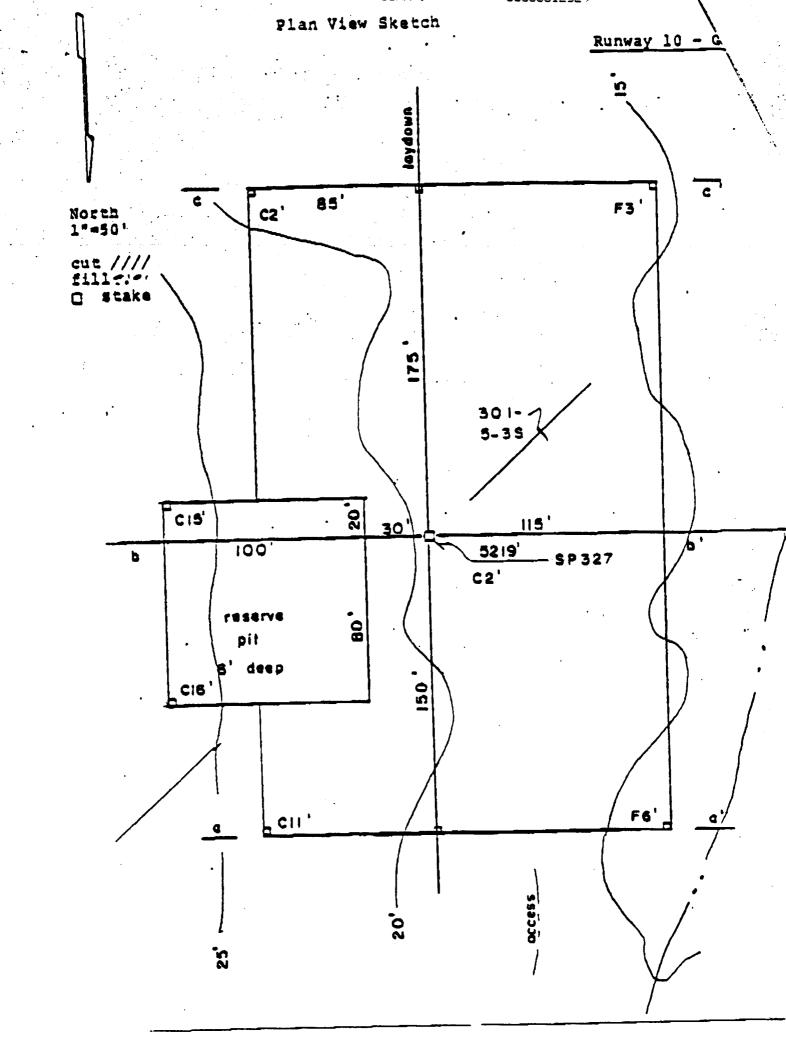
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1"=50' Horz. & Vert.

b'

The second second

<u>a'</u>



## SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD JACOBS Chairman WILLIAM D. HOWELL Executive Director

P. O. Drawer Al · Price, Utah 84501 · Telephone 637-5444

#### **AREAWIDE CLEARINGHOUSE A-95 REVIEW**

NOI Preapp App State Plan Sta	te Action_X Sub	bdivision _	(ASP #	4-322-1
Other (indicate)	SA	Al Number	UT9003	19-070
Applicant (Address, Phone Number): Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203	Ri	ederal Fund: equested: _	s:	
Title:				
APPLICATION FOR PERMIT TO DRILL	(Runaway 10 405 25 E S	0G #1) eC./0 4	13-037-31	5/5
<ul> <li>No comment</li> <li>See comments below</li> <li>No action taken because of insufficient inform</li> <li>Please send your formal application to us for r</li> </ul>		ndance is re	quested 🏻	
The applicant should forward any written review commonts should be forwarded to the State Clearingho  Comments:  Authoriting Official				ponse to those



# State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

April 6, 1990

Chuska Energy Company 315 North Behrend Farmington, New Mexico 87401

#### Gentlemen:

Re: Runway 10G #1 - SW NE Sec. 10, T. 40S, R. 25E - San Juan County, Utah 1710' FNL, 2450' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R6I5-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (80l) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R6I5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.

Page 2 Chuska Energy Company Runway 10G #1 April 6, 1990

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31515.

Sincerely,

R. J. Firth

Associate Director, Oil & Gas

lcr

Enclosures

cc: Bureau of Land Management 4. BIR

D. R. Nielson

J. L. Thompson

WE14/22-23

## DIVISION OF OIL, GAS AND MINING

# SPUDDING INFORMATION API NO. 43-037-31515

NAME OF COMPANY	: CHUSKA	ENERGY	·····					
WELL NAME:	RUNWAY	10-G #1	L					
SECTIONSWNE 10	Township	40S	Range	25E	COUNTY_	SAN J	UAN	
DRILLING CONTRA	CTOR AZTEC				<del></del>			
RIG #								
SPUDDED: DATE	5/25/90							
TIME	11:30 p.m.							
How_	ROTARY							
DRILLING WILL C	OMMENCE							
REPORTED BY L	ARRY SESSIONS							
TELEPHONE #5	05-326-5525							
האדב 5/	29/90			SIGNET	TAS	TAKEN	BY: JLT	



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499



OIL, GAS & MINING

May 30, 1990

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

RE: Entity Action - Spud - Runway 10 G 1

Gentlemen:

Enclosed you will find the original and two copies of the above-referenced Entity Action.

Please advise if you require any additional information.

Sincerely,

H. Male Muyers

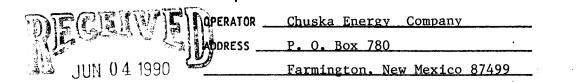
Vice President of Production

HMM:bnp Enclosures

File: HMM\ENTACTRU. 10G

STATE OF UTAH DIVISION OF OIL, GAS AND MINING ENTITY ACTION FORM - FORM 6

(3/89)



OPERATOR ACCT. NO. N9290

ACTION	CURRENT	NEW	API NUMBER	CAS & WININGWELL NAME				LOCATIO		SPUD	EFFECTIV
CODE	ENTITY NO.	ENTITY NO.	NA S	. 1126 6 1 1 1 2 277 5	QQ	sc	TP	RG	COUNTY	DATE	DATE
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WELL 1 C	OMMENTS:	·									-
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			mments section) explain why each	Action Code was selected.					Phone No. (	)	Date



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499



DIVISION OF OIL, GAS & MINING

May 30, 1990

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

RE: Sundry Notice - Spud - Runway 10 G 1

Gentlemen:

Enclosed you will find for your examination and approval the original and two copies of the above-referenced Sundry Notice.

Please advise if you require any additional information.

Sincerely,

N. Mele Myers

Vice President of Production

HMM:bnp Enclosures

File:HMM\SUNRUNWY.10G

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING

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OIL AND GAS  DRN RJF  JRB GLH  DTS SLS  I hereoy cerety that the foresque a true and correct  SIGNED	Aztec Well Service Rig #222 will be the drilling contr	ractor for this well.
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TARRY 6 SESSIONS (This space (or Federal of State office use)		
(This space (or Federal of State office use)	3.07.67 - The later with the later w	ager 1 5-30-90
13000170 24	(This space for Federal of State office use)	719
77.75 YE GIVORES	APPROVED BY	



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

13 June 1990



State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350

Salt Lake City, Utah 84180-1203

OIL. GAS & MINING

Ref:

Sundry Notice - Runway 10G-1: Production Casing

#### Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

Sincerely,

Larry G. Sessions
Operations Manager

LGS/cswh

File: C:\WP\CSWH\RUNWAY.10G\PRODNCSG.SUN

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# STATE OF UTAH DIVISION OF OIL, GAS AND MINING

			NOG 8702-1	116
(Do not use this form to	NOTICES AND REPORTS PROPOSALS TO STATE OF SERVICATION FOR PERMIT—" for s	back to a different reservoir.	e. Findian. According	itës die tribe name i h = 1
	HER	JUN 21 1990	J. DNIT XGREEMEN	TNAME
Chuska Energy Co	mpany	0.0/3(0)) 05 	Runway 100	
P.O. Box 780, Fa	<u>rmington. New Mexic</u>	o 87499	1	
42 LOCATION OF WELL (Report local See also space 17 below.) At surface	ion closely and in accordance with any State (	L, 2450' FEL	Wildcat	
At proposed prod. tone			ti. SEC., T., R., M., O. SURVEY OR	
	Same		S10 T405 R	225E
14. APT NO.	IL ELEVATIONS (Show whether	OF, AT, GR, etc.,	12 COUNTY	111 STATE
43-037-31515	5219' GR		San Juan	Utah
isi. C	neck Appropriata Box To Indicate	Nature of Notice, Report or O	ther Data	
	' INTENTION TO:	•	QUENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRE	NG WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	<del></del> ;	G CASING
SHOOT OR ACIDIZE	ABANDON	SHOOTING OR ACIDIZING	ABANOG	. I <del>i</del>
REPAIR WELL	CHANGE PLANS	(Othe Production		X
(Other)	<u> </u>		s of mutiple completion	
AZPROK, DATE WORK WILL	START	DATE OF COMPLETION _	6-0-00	
Casing equipped w emented 1st stage elloflake. Plug d emented 2nd stage Lead: 923 sx	, 15.5 #/ft, K-55 Lith shoe, float colwith 1090 sx Classown at 2215 hrs, 6-15:35 Poz with 6% GClass 'G' with 2% C	TC casing and land lar and stage coll 'G' with 0.6% D60 7-90. el and 0.25% D29	lar at 3474 <b>'</b>	•
lug down at 0730	hrs, 6-8-90. Circul	ated 48 bbl slurry	y to pit.	
SIGNED	ner OH Hill	troleum Engineer	DATE 6-1	3-90
(This mace for Federal or Sta APPROVED BY CONDITIONS OF APPROVA	7		DATE	

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING

			106^8762 <u>~</u> YY	16 SERIAL NO.
(Do not use this form for proposal	ES AND REPORTS of the design of plug it to drill or to despen or plug it tion for PERMIT—" for rue	ack to a different manual	6. GINDIAN. ALLOTT	_
T. OIL GAS CONTRE		JUN 21 1990	. UNIT AGREEMENT	
L NAME OF OPERATOR Chuska Energy Company		DIVISION OF	Runway Tob	ME
P.O. Box 780, Farming		87499AS & MAINS	1. WELL NO.	
4. LOCATION OF WELL (Report location clearly a See also space 17 below.) At nucleo	1710' FNL	2450' FEL	Wildcat Pool.	OR WILDCAT
At proposed prod. cone			II. SEC. T. R. M. OR SURVEY OR	
	Same		S10 T405 R2	
43-037-31515	5219' GR	F. AT. GR. etc.,	San Juan	Útah
a. Check Ann	cooriata 3ox To Indicate N	ature of Notice, Report or O	*****	
NOTICE OF INTENTIO			UIET DATA	
TEST WATER SHUT-OFF PULL	OR ALTER CASING	_		
	TPLE COMPLETE	Water Shut-off Fracture treatment	REPAIRING	
SHOOT OR ACIDIZE ABAN		-	ALTERING	· · · · · · · · · · · · · · · · · · ·
REPAIR WELL CHAN	GE PLANS	SHOOTING OR ACIDIZING SUV FACE C	<del>is</del> ing ~~~~~	Z
(Other)		(Note: Report result:	nousiamos sicitmum to a	on Weil
	. —		omplesson Report and Lac 5–27–90	( form.)
AZPROX. DATE WORK WILL START		DATE OF COMPLETION _		<del></del>
<ol> <li>DESCRIBE PROPOSED OR COMPLET starting any proposed work. If well is dis pertinant to this work.)</li> </ol>	TED OPERATIONS (Clearly streetionally drilled, give miosurf.	ate all persinent desails, and give are locations and measured and s	pertinent dates, including rue vertical depths for all	estimated date of markers and zone
		* Must be accom	panied by a cement ve	rification repor
illed 12-1/4" hole to	523'.			
n 13 jts 8-5/8", 24 #.	/ft, K-55 casing	g with shoe and 1	float.	
nded at 516'.				
	101	C-C12 • 4/4 15/4	-l. Cmll-61 ml.m	
mented with 375 sx Cla	ass 'G' with 2%	Caci 2 & 1/4 10/9	sk cellotlake	•
ug down 0115 hrs, 5-2	7-90 Circulate	d 25 bbl cement (	to surface	
ig down offs his, 3-2	/ JO. CIFCUIALE	J 25 DOI CEMENT	o surface.	
/ 1	· 1			
i. I hereby certify the ingioregine is true				
SIGNED AND A	Peti	roleum Engineer	6-13	3 <b>-9</b> 0
7977 RUNDIEF S	MILLI.		DATE	
(This mace for Federal or State-office un	se)			
APPROVED BY	TITLE		8.45	
COVERTIONS OF ARROWAL IS ANY			DATE	



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525



13 June 1990

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203 DIVISION OF OIL, GAS & MINING

Ref:

Sundry Notice - Runway 10G-1: Set Surface Casing

#### Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

Sincerely,

Larry G. Sessions
Operations Manager

LGS/cswh

File: C:\WP\CSWH\RUNWAY.10G\SURFCSG.SUN

OIL AND GAS
IN AUF
IN GLM
SLB

1-DME
2- MICROFUM

2- PLB



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525



25 June 1990

DIVISION OF OIL, GAS & MINING

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

Ref: Sundry Notice - Runway 10G-1: First Sale of Oil

Gentlemen

attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this application.

Sincerely,

Larry G. Sessions Operations Manager

LGS/cswh

File: C:\WP\CSWH\RUNWAY.10G\1STOIL.SUN

# STATE OF UTAH DIVISION OF OIL, GAS AND MINING

•			NOG 8702-11	16
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L OIL - GAS -		JUN 28 1990	1. UNIT AGREEMENT N.	
WELL WELL OTHER			<u> </u>	<u> </u>
Chuska Energy Compan	у	DIVIDION OF OR GAS & MINING	Runway 10G	
P.O. Box 780, Farmin	gton, New Mexico		9. WELL NO.	
4. LOCATION OF WELL (Report location clearly See also space 17 below.) At surface		, 2450' FEL	Paradox	R WILDCAT
At proposed prod. zone			11. SEC., T., R., M., OR 3 SURVEY OR AS	
	Same		S10 T40S R2	25E
14. APE NO.	15. ELEVATIONS (Show weether OF.	. AT, GR, etc.,	12 COUNTY	l''dtah
43-037-31515	5219' GR		San Juan	Utan
NOTICE OF INTENT	ON TO:	WATER SHUT-OFF	er Data TENT REPORT OF: REPAIRING	WELL
SHOOT OR ACIDIZE ABA	ITIPLE COMPLETE INDON INGE PLANS		ALTERING O	ENT# X
APPROX. DATE WORK WILL START.		DATE OF COMPLETION	6-15-90	<del></del>
starting any proposed work. If well is pertinant to this work.)  Report of first sale (	of oil to Giant F	en locations and measured and true  Must be accompa Refining Company	e vertical depths for all a sinied by a cement vertical on June 15,	narkers and zones rification report. 1990.
Test, through 24/64"		-D, 991 MC14. 111	)	
Oil gravity = 42.6° A	PI.	Section 1	DP80	Of AND GAS
	rudand confeet	troleum Engineer	6-2	5-90
(This mace for Federal or State office	SW HTT1 TITLE		DATE	
APPROVED BY	TITLE		DATE	



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499

JUL 16 1990

DIVISION OF OIL GAS & MINING

we will be to the second

12 July 1990

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

Ref:

Completion Report: Runway 10G-1

#### Gent lemen

attached for your examination and approval is the original and two copies of the subject Completion Report.

Please advise if you require additional information concerning this submission.

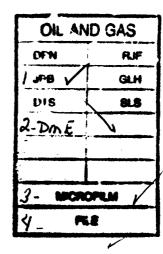
Sincerely,

Larry G. Socione

Larry G. Sessions Operations Manager

LGS/cswh

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		S∖ ,E OF	UTAH			E LEASE BEST	SMATION AND SERIAL NO.
•	DIVISION	OF OIL,	GAS AND	MINING		1 3 4	02-1116
	AMBI ETIAL	AD DEANY	SI ET KAN	DEDART AND	1.00		ALLOTTEE OR TRIBE MANE
WELL (	COMPLETION	OK KECOM	PLEI TON	REPORT AND	LOG		Tribal
1a. TYPE OF WELL:	ØIL Bell	X TELL	DRY 🗀	Other	,	1. VOLK AGREE	
b. TYPE OF COMPL	ETION:				ביו בין פין פין		** **
HEU 🖂	ANK D EN	D PLUE	BIFF		EIN	S Track on LE	ASE NAME
2. MANE OF OPERATOR					1.8	Runway	10G
Chuska Ene	ergy Company		٠.	Caca Hill	16 199	E 1477	
3. ADDRESS OF OPERA					<del>- 2 0 100</del> (	1	3
P.O. Box 7	80. Farming	ton. New Me	xico 8749	9 DIVI	SION OF	10. FIELD AND	POOL, OR WILDCAT
4. LOCATION OF WELL	(Report location of	early and in acco	rdeacs with any	state requilibrite	S & MININ	Parad	OX
At Surface		1710' F	NL, 2450'	FEL	41141	11. SEG., T.,	E., N., OR BLOCK AND SUR
At top prod. int	erval reported below	Same					
	·	Cano				C10 T	40S R25E
At total depth		Same	T 44	1 2425	100000	12. GOVETY	1). STATE
		**************************************	14. API NO.		ISSUED		
	T	45. Service 1997.			5-90	ts, tr, et ere.)	uan Utah  19. ELEY. GASIBOBEAS
S. DATE SPUODED	16. DATE T.B. BEA		COMPL. (Roady to	(-		mns, 614. Th 614.3	1 '2
5-25-90	6-6-90	7-1 BACK T.D., NO 8 TV	1-90 (Flee	Abd.) 52 LTIPLE COMPL.,	219' GR	ALS ROTARY TOOL	5219' GR
O. TOTAL BEPTH, NO	1		MOT N		PRILLE	AV 1	
6204 MD	615		N/A	1 TVA )		Rotary	25. DAS DIRECTIONAL
4. PRODUCING PARENT	NE(S), OF INIS CORF	LETTUR - TUP, GOTT	**, MANC (NO AM	, 140,		:	SURVEY HADE
6042' - 61	04': Desert	Creek					No
	. ATHER LASS SHE A.	0 1001	- N-1 17VD	DELTS/ITH		res 🗆 no 🗵 (Subini	
S. TYPE ELECTRIC AN		MP DZUIR	3-2	5-5/	ELL CORED 1	ES	C EMBITERS;
Microlog/0	R. DLL/MSFL	/GR/Cal. BH	C Sonic.	MSCT PILL		15 C 14 52 (100 )	470180 51007
CASING SIZE	PEIGHT, LB./FT		-	all strings set		IEST ING REGORD	ANOUNT PULLED
8 5/8"	24	516	\ <b>\</b>			CaC1. + 1 lb/sx Cal	
5 1/2"	15.5	6201				3' + 0.6% D60 + 1 lb	
<u> </u>	10.0					sx 65:35 Poz + 6% G	
			,	7		sx 'G' + 2% CaCl,	
· •		LINER RECORD	1,		30.	TUBING REC	
SIZE	TOP (ND)	BOTTON (ND)	SACKS CENENT	SCREEN (HD)	SIZE	DEPTH SET (1	D) PACKER SET (NB)
					2 7/8'	5916'	5916'
							5884'
II. PERFORATION RECO	10 (laterral, size	end aumber)		32. ACID	SHOT, FRA	CTURE, CEMENT SQU	EEZE, ETC.
				AVASTRI RETSO	L (ND)	ANOVAT AND EIG	O OF MATERIAL USES
6086' - 6104':	0.5" @ 4 spf =	72 holes	43 3	6086' - 610	4'	3600 gal 281	MSR 100
6042' - 6068':	0.5" @ 2 spf =	52 holes	î	6042' - 606		5200 gal 281	1-4
	0.5" @ 2 spf =			5896' - 590		2000 gal '281	
Reperf 5896' -	5906': 0.5" 0 2	spf = 20 holes		5896' - 590	6'	250 28% MSR 1	00/4000 28% gelled acid
13.	n lanamer:	AN METHOD /Clamic		DUCTION ping - size and type	of annal	, ver	L STATUS (Producing or
DATE FIRST PRODUCTION	i		, ges 1116, <b>588</b>	Prop else and type	,,	1	het in)
6-14-90	Flow		I sees'n can	911 - 961	200 - 200		spended 61. 645-011 24710
DATE OF TEST	HOVES TESTED	CHOKE SIZE	PROD'B. FOR TEST PERIOD	825	895	0	1005
6-24-90	24	24/64"	. 01L - 88L.	448 - NGF		BATER - BBL.	OIL GRAVITY-API (CORR.
FLOY. TUBING PRESS.	GASING PRESSURE	CALGULATED 24-HOUR RATE	825	895	·	0	43.2
<del>640</del> 34. disposition of C	at (tald mand for		<del></del>	1 630		TEST DITE	
Vented	wa famia' mode iet			e e e e e e e e e e e e e e e e e e e		, , , , , , , , , , , , , , , , , , , ,	Measurement
VENTED 35. List of Attachne	272					1 1714-07	
bivi vi plinudat		^	Ů.	•			
35. I hereby certify	that the foresies	and attaghed infe	raction is comp	lete and correct as	determined f	ros ell evellablo ro	iords
$\alpha$	14/1/					* * *	_
SIGNED /	A Stepher S	W. H111	TITLE	Petroleum E	ng meer	VAIC	12 July, 1330
	T VI LUDHUF &	TH. D.L.				i e e	

# INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

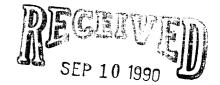
ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instructions for items 22 and 24 above).

Si. Surmaki of Forces zones Show all important z and all drill-stem t time tool open, flow	important zon drill-stem tesi open, flowing	es of porosity ts, including g and shut in	Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries.	<del>2</del> 9	GEOLOGIC MARKERS	RS.
Formation	Тор	Bottom	Description, contents, etc.	Name		Тор
					Meas. Depth	True Vert. Depth
	5896	2906	Dolomite, Tr Amhydrite, sl Limy. Good sucrosic porosity.	Cutler	3124	
Desert Creek	6042	8909	Dolomite with Anhydrite. Sucrosic, intercrystalline porosity.	Hermosa	4920	
Desert Creek	9809	6104	Limestone. Yugular/sucrosic porosity.	Upper Ismay	5816	
			,	Hovenweep	5931	
***				Lower Ismay	5933	
				Gothic	2980	
			•	Desert Creek	<b>6004</b>	
				Chimney Rock	6156	
				Akah	6170	
				T.D.	6204	
****						



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525



5 September, 1990

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203 OIL. GAS & MINING

Ref:

Sundry Notice: Runway 10G-1 Well

Gent lemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions
Operations Manager

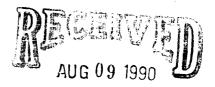
LGS/cswh
File: C:\WP51\RUNWAY.10G\VENTSUN2.CVR

encl.

	STATE OF UTAH		
DIVIS	ION OF OIL, GAS AND !	MINING	5. LEASE DESIGNATION AND SERIAL NO.
			NOG 8702-1116 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY	NOTICES AND REPORTS	ON WELLS.	6. IF INDIAN, ALCOITEE OR IRIDE MANE
/De set wee this form for or	consais to erill or to ecopon or plus pu	ADJISHOW ENTRY C	Navajo Tribal
Use "	APPLICATION FOR PERMIT" for such propo		13 UNIT AGREEHENT NAME
BIL V GAS		SED 10 1000	V)
PELL DELL DELL DELL DELL DELL DELL DELL	OTHER	SEP 10 1990 C	8. FARM OR LEASE MANE
Chuska Energy Compa	anv	DIM BUONLOC	Runway 10G
3. ADDRESS OF OPERATOR	217	CIL. CAS & MINING	9. WELL NO.
P.O. Box 780, Farm	ington, New Mexico 87499		1
4. LOCATION OF WELL (Report locati	on clearly and in accordance with any St	tate requirements.	10. FIELD AND POOL, OR WILDGAT
See also space 17 below.} At surface	1710' FNL, 2450' F	FEL	Wildcat  11. SEC., T., R., M., OR BLK. AND
			SURVEY OR AREA
At proposed prod. zone	Same		S10 T40S R25E
	15. ELEVATIONS (Show whether DF, RT, 6)	1 ate.)	12. COUNTY OR PARISH 13. STATE
14. PERHIT NO.			San Juan Utah
43-037-31515	5,219' GR		
16. Ch	eck Appropriate Box To Indicate Na	ture of Notice, Report, or Oth	er Data
MOTICE OF	F INTENTION TO:	SUBSEQU	ENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	BATER SHUT-OFF	REPAIRING BELL
FRACTURE TREAT	MULTIPLE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR AICIDIZING	ABARDORHERT*
REPAIR VELL	CHANGE PLANS	(Other)	of multiple completion on Well
(Other) Vent Gas for Test	ing tX	Completion or Recomple	of multiple completion on Well ation Report and Log Form
APPROX. DATE WORK WILL START	9-6-90	DATE OF CONFLETIOR	
proposed work. If well is direct to this work.)  As non-tolenhor	ne conversation between T	* Must be see from McCarthy and Ken T	, including estimated date of starting any 1 depths for all markers and zenes perti- companied by a coment verification report. Townsend on 9-4-90, verbal 11 from 9-6-90 to 10-6-90.
	_	C OR	OIL AND GAS  DEN RJE  JEB GLH  DIS SLS  - DIME
18. I hereby contify that the fore	sojas is true sad correct	Ψ. P	FLE
SIANES POLL MI	TITLE _S	or Reservoir Engineer	DATE 5 September, 1990
Ton 1 Recently	e office use)		
APPROVED BY GORDITIONS OF APPROVAL, IF ANY:	TITLE	OF UT OIL, G DATE:	ED BY THE STATE AH DIVISION OF AS, AND MINING 7-13-90
	See Instruction	ns On Reverse Stop	A:
(3/89)			'



315 N. BEHREND • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525



August 7, 1990

OIVISION OF OIL, GAS & MINING

State of Utah Division of Oil, Gas & Mining 3 Triad Building, Suite 350 Salt Lake City, Utah 84180-1203

ATTENTION: John R. Baza

RE: Extended Flaring and Testing

Runway 10G 1

Dear Mr. Baza:

Attached is a Sundry Notice requesting variance from NTL-4A for testing the captioned well.

Please contact Tom McCarthy if you wish to discuss this matter further.

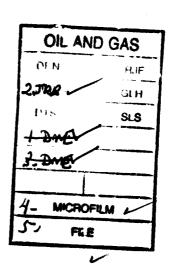
Sincerely,

Ad. Mele Myers

Vice President of Production

HMM: bnp Enclosure

File:TRM\SUNNTL4A



STATE OF UTAH
DIVISION OF OIL. GAS AND MINING

DIVISION OF OIL, G	AC AND M	INING	5. LEASE DESIGNATION A	MR CERIAL MA
Dividion of the, d	AS AND IT	INING		
AUUDDY HATLAGA AND B	EDADTA A		NOG 8702-11	
SUNDRY NOTICES AND R	EPORIS O	MOMETUS BUILDING	2 1111 min.	VE TRIBE MATE
(Do not use this form for proposals to drill or to de	esea er siue bac	E X at Bible beautiment are volt.		•
Use "APPLICATION FOR PERMIT"	for such propos	- 00 1000	Navajo Trib	
OIL O GAS		AUG 09 1990	THE VALL AURCENCAL MANC	
PELL OTHER  2. HAME OF OPERATOR				-
		DIVISION OF	8. FARN OR LEASE NAME	
Chuska Energy Company 3. ADDRESS OF OPERATOR		OIL GAS & MINING		
			9. WELL NO.	
P.O. Box 780, Farmington, New Mexitable 1. Location of Fell (Report location clearly and in accordance)	<u>ico 87499</u>		1 1	
See also sesce 17 below.l	-	•	10. FIELD AND POOL, OR	WILDGAT
At surface 1710' FNL	, 2450' FE	EL	Wildcat	
			11. SEC., T., R., M., SURVEY OR AR	OR BLK. AND
At proposed prod. zone Same			VVAILE VA AR	- n
	<del> </del>		S10 T40S R2	25E
14. PERNIT NO. 15. ELEVATIONS (Show who	ther DF, AT, GR	etc.)	12. COUNTY OR PARISH	13. STATE
43-037-31515 5,219' GR			San Juan	Utah
16. Check Appropriate Box To	Indicate Natu	no of Nation Benefice A	han Daka	
	indicate Natu	re of Notice, Report, or Ot	iner vata	
NOTICE OF INTENTION TO:		SUBSE	QUENT REPORT OF:	
TEST WATER SHUT-OFF PULL OR ALTER CASING		PATER SHUT-OFF	REPAIRING DE	
FRACTURE TREAT MULTIPLE		FRACTURE TREATMENT	ALTERING CAS	186
SHOOT OR ACIDIZE ABANDON+		SHOOTING OR AICIDIZING	ABANDONNENT*	
REPAIR WELL CHANGE PLANS		(Other)		
(Other) Vent Gas for Testing	×	(MOTE: Report result	s of multiple completion on letion Report and Log Form	Well
- /- /		COMPICTION OF RECOMP	incton sabolt sue ras lalm	
APPROX. DATE WORK WILL START 8/7/90	-	DATE OF COMPLETION		•
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state	all pertiment d	etails, and give pertinent date	s, including estimated date	of starting any
proposed work. If well is directionally drilled, give suinent to this work.)	surface location	is and measured and true vertici	al depths for all markers as	nd zomes perti-
·		* Hust be as	companied by a coment verif	lication report.
Chuska Energy proposes to cond	uct an ext	tended production t	est from today t	o 9/6/90.
Test results will enable calcu	lation of	economics for insta	allation of casir	nghead gas
lines to the well.				
This venting was verbally approved in	n a telepho	one conversation be	tween Tom McCarth	ny and Ken
Townsend on 8/7/90, for a 2 week per	riod. Afte	er analysis subsequ	ent to that conv	ersation.
Chuska now proposes a 4 week test per	iod to mor	e fully evaluate st	ability of gas fl	low rates.
•		•		
1 1				
18. I hereby certify that the in the is the san correct				
18. I hereby certify that the irregram is true and correct				
SIGNED SAW IVI MIX VIM	TITLE Sr	Reservoir Engineer	DATE 7 Aug	ust, 1990
(This space for Federal or State office use)				
finis share includents of State dilica mast			D BY THE STAT	E
APPROVED BY	TITLE	OF UTA	H DIVISION OF S. AND MINING	
CONDITIONS OF APPROVAL, IF ANY:	11156	QU. GA	S. AND MINING	.4

See Instructions On Reverse Side

(3/89)

Federal approval of this action is required before commencing operations.



3315 BLOOMFIELD HIGHWAY • FARMINGTON, NEW MEXICO 87401 • PHONE: (505) 326-5525

P.O. BOX 780 • FARMINGTON, NEW MEXICO 87499



8 October, 1990

State of Utah Department of Natural Resources

OIL. GAS & MINING

Division of Oil, Gas and Mining

355 West North Temple

3 Triad Building, Suite 350

Salt Lake City, Utah 84180-1203

Ref: Sundry Notice: Runway 10G-1 Well - First Sale of Gas

Gentlemen

Attached for your examination and approval is the original and two copies of the subject Sundry Notice.

Please advise if you require additional information concerning this submission.

Sincerely,

Larry G. Sessions
Operations Manager

LGS/cswh

File: C:\WP51\RUNWAY.10G\1GASSUN.CVR

encl.

STATE OF UTAH		
DIVISION OF OIL, GAS AND M	INING	5. LEASE DESIGNATION AND SERIAL NO.
·		NOG 8702-1116
SUNDRY NOTICES AND REPORTS O	MENCE -	6. IF INDIAN, ALLOTTEE OR TRIBE HAME
(Do not use this form for proposals to drill or to deepen or plug bac	MARIE STADE	
Use "APPLICATION FOR PERMIT" for such propos	11/20 30 15	Navajo Tribal
1. - 이니 당기 GAS [기	007	THE UNIT AGREEMENT NAME
WELL LA WELL OTHER	OCT 11 1990	. FARM OR LEASE MANE
2. NAME OF OPERATOR		
Chuska Energy Company 3. ADDRESS OF OPERATOR	OIL GOOD OF	Runway 10G
	OIL. GAS & MINING	3. SELL NO.
P.O. Box 780, Farmington, New Mexico 87499  4. LOCATION OF WELL (Report location clearly and in accordance with any Sta		10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface 1710' FNL, 2450' FE	•	Wildcat
At surrect 1710 TNL, 2430 Tt		11. SEC., T., R., H., OR BLK. AND
At proposed prod. zone Same		SURVEY OR AREA
At proposed proc. cons		S10 T40S R25E
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR	etc.)	12. COUNTY OR PARISH 13. STATE
43-037-31515 5,219' GR		San Juan Utah
16. Check Appropriate Box To Indicate Natu	ire of Notice Penart or Oth	er Data
HOTICE OF INTENTION TO:	SUBSEQU 	ENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT HULTIPLE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE ABANDON*	shooting on acidizing (other) First Sale of (	ABANDONNENT*
REPAIR WELL CHANGE PLANS	(Other) Tilst Sale Of (MOTE: Report results	ias X X X X X X X X X X X X X X X X X X X
(Other)	Completion or Recomple	tion Report and Log Form
APPROX. DATE WORK WILL START	DATE OF COMPLETION	10-5-90
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent of	details, and give pertinent dates,	including estimated date of starting any
<pre>proposed work. If well is directionally drilled, give subsurface locatio nent to this work.)</pre>	ns and measured and true vertical	depths for all markers and zones perti-
·		ompanied by a cement verification report.
First sale of gas from this well occurre	ed at 2030 hrs, 10-5	-90. OIL AND GAS
		The second secon
		DFN RJF
		JI-B GLH
		DIS SLS
		1D
		7-11-1
		2 MICROFILM V
Kalanda I		≥ FI, E
18. I hereby cartiff that the tyrogoding is tyre and confect		
SIGNED TITLE PE	troleum Engineer	DATE 8 October, 1990
This space for Federal or State Office use)		
finia sheen ini inmnimi aimmanna ailina ment		
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:		DATE
AAUR		



1775 SHERMAN STREET - SUITE 1800 • DENVER, COLORADO 80203 • PHONE: (303) 863-7021 FAX #: (303) 863-7210

May 17, 1991

Ms. Vicki Kearney
Utah Oil & Gas Commission
355 West North Temple
Three Triad Center
Suite 350
Salt Lake City, Utah
84180-1203

Dear Ms. Kearney:

Please keep all Chuska Energy Company data confidential until further notice.

Thanks,

Aus

Herbert P. Mosca Chuska Staff Geologist

RECEIVED

DIVISION OF OIL GAS & MINING Form 3160-5 (June 1990)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

NOG 8702-1116 6. If Indian, Allottee or Tribe Name

SUNDRY	NOTICES	AND	REPORTS	ON MELL	.5

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

Navajo Tribal

Change of Plans

SUBMIT IN TRIPLICATE	7. If the CA, Agreement Designation
I. Type of Well	
©il Gas Well Other	8. Well Name and No.
2. Name of Operator	Runway 10G-1
Chuska Energy Company	9. API Well No.
3. Address and Telephone No.	43-037-31515
3315 Bloomfield Highway, Farmington, NM 87401 505-32	6-5525 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Wildcat
	11. County or Parish, State
1710' FNL & 2450' FEL	
Section 10-Township 40S-Range 25E	San Juan County, Utah
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF	NOTICE, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION

New Construction Recompletion Subsequent Report Non-Routine Fracturing Plugging Back Water Shut-Off asing Repair Final Abandonment Notice Altering Casing Conversion to Injection Xother Workover Dispose Water Note Report results of multiple completion on Weil

Abandonment

Completion or Recompletion Report and Log form i 13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled. give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work. 1\*

Converted flowing well to pumping well on 7/1/93.

☐ Notice of Intent



ACCEPTED BY THE STATIL, GAS & MINING COFUTAH DIVISION OF OIL, GAS, AND MINING

111-02

BY:	Matheus	<b>-</b> .
14. I hereby certify that the foregoing is true and correct signed Day H. William	Operations Manager	7-7-93
(This space/for Federal or State office use)		
Approved by	Title	Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United Sta or representations as to any matter within its jurisdiction.

Form 3160-5 (June 1990)

Oil Well

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED idget Bureau No. 1004-0135

Expires: March 31, 1993 5. Lease Designation and Serial No.

NOG 8702-1116

6. If Indian, Allomee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS
-------------------------------------

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

Navajo Tribal 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE i. Type of Well 8. Weil Name and No. 2. Name of Operator Runway 10G-1 9. API Well No. Chuska Energy Company 3. Address and Telephone No. 43-037-31515 10. Field and Pool, or Exploratory Area 3315 Bloomfield Highway, Farmington, NM 87401 505-326-5525
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Wildcat 11. County or Parish, State 1710' FNL & 2450' FEL Section 10-Township 40S-R25E

			San Juan County, Ctan
12.	CHECK APPROPRIATE BOX(	) TO INDICATE NATURE OF NOTICE, F	REPORT, OR OTHER DATA
	TYPE OF SUBMISSION	TYPE OF AC	CTION
	Notice of Intent	Abandonment	Change of Plans
	Subsequent Report	Recompletion Plugging Back	New Construction Non-Routine Fracturing
	Final Abandonment Notice	Casing Repair  Altering Casing  Workover  Other	Water Shut-Off Conversion to Injection Dispose Water
	·		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled. give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to convert flowing well to pumping well on or about 7-1-93.



ACCEPTED BY THE STATE OF UTAH DIVISION OF

OIL, GAS, AND MINING

DIVISION OF OIL, GAS & MINING

DATE: 14. I hereby certify that the foregoing is true and correct 5/10/93 Title Operations Manager Date Title 

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any unatter within its jurisdiction

I

#### STATE OF UTAH

DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1	of	3	
- 460	OI	,	

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:			UTA	H ACCOUNT NUMBER	N9290	
LARRY G SESSIONS CHUSKA ENERGY COMPANY 3315 BLOOMFIELD HWY FARMINGTON NM 87401				ORT PERIOD (MONTH.		· 
TANTINGTON AIT 07401			AME	NDED REPORT (H	(ighlight Changes)	
Well Name	Producing	Well	Days		Production Volumes	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)
116-1 NAVAJO TRIBAL						,
4303715390 00545 41S 25E 31	DSCR			•	:	
NAVAJO TRIBAL 23-13 4303730971 09420 405 24E 13	2000					
₩303730971 09420 40S 24E 13 NAVAJO TRIBAL 42-2	DSCR					·
MAVAJO TRIBAL 24-13	DSCR					
4303730970 09435 405 24E 13	DSCR					
NAVAJO TRIBAL 41-2		<del></del>				
4303731041 09437 425 24E 2	DSCR	-				:
NAVAJO TRIBAL #32-26 4303731060 09990 40S 22E 26 VAJO TRIBAL 14-10	DSCR					
¥303730977 10130 405 24E 10	DSCR					
SAHGZIE NO. 1	0301					
4303731472 11032 425 24E 5	DSCR					
ANASAZI #1 1303731478 11042 425 24E 5	DSCR					•
CAJON MESA 8-D-1 24303731497 11074 405 25E 8 MONUMENT #8-N-2	DSCR					
4303731509 11087 40S 25E 8 TOWER #1 1-2	DSCR					
4303731507 11088 40S 25E 1 RUNWAY 10G #1	ISMY					
✓4303731515 11105 40S 25E 10	DSCR					
		•	TOTALS			· · · · · · · · · · · · · · · · · · ·
				•		
COMMENTS:						
hereby certify that this report is true and complete to t	he best of my	knowledge.		Date	e:	
Name and Signature:				Te	elephone Number:	



### HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

We are pleased to announce that effective January 18, 1994, Chuska Energy Company, has changed its name to Harken Southwest Corporation. This is in line with the February 1993 merger with Harken Exploration Company.

Harken Southwest Corporation is still located at 3315 Bloomfield Highway, Farmington, New Mexico, 87401. You may still contact us at (505) 326-5525.

Please reflect this name change as necessary on all future correspondence.

Thank you for your assistance in this matter and we look forward to working with you as Harken Southwest Corporation.

Sincerel

Barry A. Wieland Operations Manager RECEIVED

FEB n 7 1994

DIVISION OF OIL, GAS & MINING

# Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

[]	Well File [] Suspense [M Other (Return Date) (Partials) (API No.) (To - Initials)
1.	Date of Phone Call: 2-9-94 Time: 12:29
2.	DOGM Employee (name) / Cordora (Initiated Call [4)  Talked to:  Name Wayne Townsend (Initiated Call [1]) - Phone No. (505) 599-8900  of (Company/Organization) & Mm / Farming fon M.M.
3.	Topic of Conversation: Chuska Energy Co. to Harken Southwest Corp.
4.	Highlights of Conversation:  They have not need doe of name change. When they do revive doe they  will most likely keep "Chuska" as operator yet mail any correspondence  of Harken, until BIA approval. (BIA approval may take a while!)
	# 940210 her admin. Ok do change.

• _				
Oivision of Oil, OPERATOR CHAN			$\overline{}$	Routing: 11/18/C 7-SJ 1 2.01% 8-FILE
Attach all docum Initial each lis	mentation received by the division ted item when completed. Write	on regarding this change. N/A if item is not applica	able.	3-VLC 4-RJF/V
	Operator (well sold) n of Operator	□ Designation of XXX Operator Name (	Agent Change Only	5-IL20 6-PL
The operator	of the well(s) listed bel	ow has changed (EFFEC	CTIVE DATE: 1-18	3–94)
TO (new opera (addr	ntor) <u>HARKEN SOUTHWEST CORI</u> ress) <u>3315 BLOOMFIELD HWY</u> <u>FARMINGTON NM 87401</u>		(address) <u>3315 1</u>	ENERGY COMPANY BLOOMFIELD HWY IGTON NM 87401
	phone <u>(505) 326–5529</u> account no. <u>N 9290</u>		phone accoun	(505)326-5525 t no. <u>N9290</u>
Hell(s) (attac	ch additional page if needed):			
Name: Name: Name:	ATTACHED**  API:	Entity: Entity: Entity:	SecTwpRng SecTwpRng SecTwpRng	Lease Type:
opera <u>NA</u> 2. (Rule (Atta	R615-8-10) Sundry or o tor (Attach to this form).  R615-8-10) Sundry or other to this form).	· <i>(Rec'd 2-7-94)</i> er <u>legal</u> documentatio	on has been receiv	ed from <u>new</u> operator
opera yes,	epartment of Commerce has ting any wells in Utah. show company file number:	Is company registers #096704.	ed with the state	(yes/no) 11
etta)	Indian and Federal Hells the Telephone Documentation that section of this form the should take place prior	n. Management review	of Federal and	Indian well operator
liste	ges have been entered in t ed above. <i>(2-10-94)</i>			ng/IBM) for each well
Lec 6. Carde	ex file has been updated fo	or each well listed a	bove. (2-10-94)	
· //	file labels have been upd			
Lec 8. Chang for c	ges have been included on distribution to State Land	the monthly "Operato s and the Tax Commiss	or, Address, and A	Account Changes" memo
Lec 9. A for place	lder has been set up for ed there for reference dur	the Operator Change fing routing and proce	file, and a copy onessing of the orig	of this page has beer inal documents.

'ERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.
ENTITY REVIEW  Let 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
NA 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.
BOND VERIFICATION (Fee wells only)
1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19
LEASE INTEREST OHNER NOTIFICATION RESPONSIBILITY
1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has bee notified by letter dated
2. Copies of documents have been sent to State Lands for changes involving State leases.
FILMING
1. All attachments to this form have been microfilmed. Date: Mach 7 1994
FILING
1. Copies of all attachments to this form have been filed in each well file.
Lec 2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operato Change file.
COMMENTS

WE71/34-35

Form 3160-5 (June 1990)	DEPARTMENT BUREAU OF L	ED STATES OF THE INTERIOR AND MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993  5. Lease Designation and Serial No.
Do not use this for	rm for proposals to dril	AND REPORTS ON WELLS  If or to deepen or reentry to a different result PERMIT—" for such processes. GAS&	erveir. NAVAJO
	SUBMIT	IN TRIPLICATE	7. If the tree, Agreement Designation
3. Address and Telephone N	007 Dallas, Texas	75261-2007 (214) 753-6900	8. Well Name and No.  See Attached List  9. API Well No. 43.037-315 V  See Attached List  10. Field and Pool, or Exploratory Area
4. Location of Well (Footage	e, Sec., T., R., M., or Survey De Attached List	scription)	San Juan, Utah
	··	s) TO INDICATE NATURE OF NOTICE,	
Notice of	SUBMISSION  f Intent  ent Report  andonment Notice	Abandonment  Recompletion  Plugging Back  Casing Repair  Altering Casing  Other Flaring during p	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water (Note: Report results of multiple completion on Well
Pursu to ver Aneth Attac in AF	ant to the attached not/flare all non-lease una Plant resumes operated is a list of wells PI number order.	which will be affected by the plant shi	Completion or Recompletion Report and Log form.)  Ite of starting any proposed work. If well is directionally drilled,  Southwest request permission eptember 22, 1995 or until the ut down. The list is compiled
327-5	d any questions arise, 5531 or the undersign	cc:	Navajo Nation State of Utah  ustrator supt 6, 1995

Title \_

Approved by Conditions of approval, if any:

# HARKEN SOUTHWEST CORPORATION

Request permission to flare/vent gas production on the following wells during the shut-down of the Aneth Plant Monday, September 18 thru Friday, September 22, 1995.

Well Name	Sec-Twnshp-Rng	API Number
Navajo Tribal 23-13	13-40S-24E	43-037-30971
Navajo Tribal 41-2	02-42S-24E	43-037-31041
Sahgzie #1	05-42S-24E	43-037-31472
Anasazi #1	05-42S-24E	43-037-31478
Cajon Mesa 8D-1	08-40S-25E	43-037-31497
Monument 8N-2	08-40S-25E	43-037-31509
Runway 10G-1	10-40S-25E	43-037-31515
-Monument 17E	17-40S-25E	43-037-31547
Runway 10E-2	10-40S-25E	43-037-31550
Blue Hogan 1J-1	01-42S-23E	43-037-31562
Anasazi 5L-3	05-42S-24E	43-037-31572
Brown Hogan 1A-2	01-42S-23E	43-037-31573
Runway 10C-5A	10-40S-25E	43-037-31597
North Heron 35C	35-41S-25E	43-037-31616
Burro 31-I	31-41S-24E	43-037-31708
Jack 31G	31-41S-24E	43-037-31709
Mule 31M	31-41S-24E	43-037-31710
Big Sky 6E (6L)	06-42S-25E	43-037-31714
Hillside 6C-1	06-42S-25E	43-037-31721



# ANETH PLANT P.O. BOX 70 MONTEZUMA CREEK, UTAH 84534 Memorandum



To:

See Distribution List

From:

Gene Gruette

Date:

August 18, 1995

Subject:

ANETE PLANT SEUTDOWN

Aneth Plant will be shut down on September 18, 1995 to make necessary repairs to the cooling tower, inspect and clean gas coolers, and repair other equipment which requires a plant shutdown.

We plan to have the plant started back up the afternoon of Friday, September 22, 1995.

Each operator will need to make whatever contacts with regulatory agencies and gas marketers, etc. they deem necessary.

Should you have questions, call the writer at (801)631-3254.

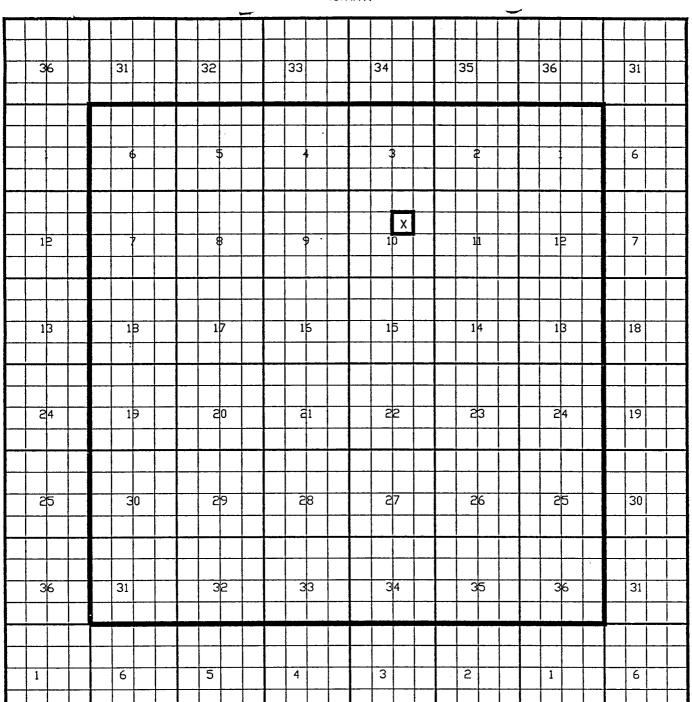
- -X Reinstated Flat Canyon Field to include all of Section 23-16S-6E, Emery County, East Mountain Unit 32-23 Well, Ferron Sandstone. マイタ・クリラープ コンジョー じゅうし
- ★ Extended\*Duchesne Field to include SE SE, Section 3-4S-4W, Duchesne County, Ute Tribal 1-3D Well, Green River Pool. 43-013・31343 GRR√
- XNew Field Unnamed 24-4S-5W to include NW NW, Section 24-4S-5W, Duchesne County, CC Ute 1-24D Well, Green River Pool. しょうはっきんます ほんこく
- X New Field Ten Mile to include SW SW, Section 26-24S-17E, Grand County, Federal #1-26, Paradox Pool. 43-019 30じまる PSのメ
- New Field Tower to include NE SE, Section 1-40S-25E, San Juan County, Tower #11-2, Desert Creek Pool. ₹3-237-31507 ∓5m?
- New Field Cajon Mesa to include NW NW, Section 8-40S-25E, San Juan County, Cajon Mesa #8-D-1, Desert Creek Pool. √3-037 · 31497 DECR
- New Field Monument to include SE SW, Section 8-40S-25E, San Juan County, Monument #8-N-2, Desert Creek Pool. 43-037 31509 05CR
- New Field Runway to include SW NE, Section 10-40S-25E, San Juan County, Runway 10G #1, Desert Creek Pool. 13-037-31515 DecR ρ<sub>00</sub>
- Extended Rock House Field to include SE SE, Section 18-11S-23E, Uintah County, Marble Mansion Unit #1, Wasatch Pool. 43-047 31865 いって

Also, Sandy Hunt, made a recommendation, based on research completed on all fields in Utah, that certain revisions to the field categories be made.

The committee approved the new field categories and made a recommendation that the categories be updated and kept current on a yearly basis. The following field categories should be recognized:

- 1. Active Field: Area that includes currently producing wells.
- 2. Inactive Field: Area that includes shut in well(s) that have produced in the past and may be capable of producing in the future.
- 3. Terminated Field: Area that includes wells that have never produced and areas that have been included in other fields.

After discussion of all agenda items, Mr. Firth indicated that the next meeting would be scheduled for some time in April 1991. There being no other business, the meeting adjourned at approximately 3:30 p.m.



R. 25E

TOWNSHIP 40 SOUTH, RANGE 25 EAST - SAN JUAN COUNTY  $-\sqrt{4}\sqrt{4}$ 

SECTION 10: SW/4 NE/4

T. 40S

Form 3160-5 (June 1990)	DEPARTMEN	TED STATES T OF THE INTERIOR AND MANAGEMENT	3 IVE	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993  5. Lease Designation and Serial No.
			7 1995	3. Dease Designation and Serial No.
	SUNDRY NOTICES	AND REPORTS ON WELLS	. 1000	6. If Indian, Allottee or Tribe Name
Do not us		PERMIT—" for such proposals	GAS & MIN'	NAVAJO
	SUBMIT	IN TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of Well	C Gas C			8. Well Name and No.
2. Name of Ope	Weil L Other			
•	Southwest Corporation			See Attached List  9. API Well No. 43037-31515
3. Address and	Telephone No.			See Attached List  10. Field and Pool, or Exploratory Area
P.O. B.	ox 612007 Dallas, Texas Vell (Footage, Sec., T., R., M., or Survey D	75261-2007 (214) 753-699 (214)	00	10. Field and Foot, of Exploratory Area
	•	•		11. County or Parish, State
	See Attached List			San Juan, Utah
12. C	HECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF N	OTICE, REPOR	T, OR OTHER DATA
Т	YPE OF SUBMISSION	Т	YPE OF ACTION	
	Notice of Intent	Abandonment		Change of Plans
_	7	Recompletion		New Construction
Ĺ	Subsequent Report	Plugging Back Casing Repair		Non-Routine Fracturing Water Shut-Off
	Final Abandonment Notice	Altering Casing		Conversion to Injection
		Other Flaring du	ring plant	Dispose Water
		shut-down		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
give sub	surface locations and measured and true vertice.  Pursuant to the attached n	pertinent details, and give pertinent dates, including eal depths for all markers and zones pertinent to this otice from Elkhorn Operating, I se gas from September 18, 1995 attion.	work.)* Harken Southw	est request permission
	Attached is a list of wells in API number order.	which will be affected by the p	lant shut down	. The list is compiled
	Should any questions arise, 327-5531 or the undersign	please contact Mr. Richard Cottle ed.	e, Farmington,	New Mexico @ (505)
	ity that the loreging by true and correct			Nation of Utah
14. Thereby con	Mital Switgome	W Titl rodiction is	lministra	tor Let 6, 1995

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Title \_

(This space or Federal or State office

Approved by Conditions of approval, if any:

## HARKEN SOUTHWEST CORPORATION

Request permission to flare/vent gas production on the following wells during the shut-down of the Aneth Plant Monday, September 18 thru Friday, September 22, 1995.

Well Name	Sec-Twnshp-Rng	API Number
Navajo Tribal 23-13	13-40S-24E	43-037-30971
Navajo Tribal 41-2	02-42S-24E	43-037-31041
Sahgzie #1	05-42S-24E	43-037-31472
Anasazi #1	05-42S-24E	43-037-31478
Cajon Mesa 8D-1	08-40S-25E	43-037-31497
Monument 8N-2	08-40S-25E	43-037-31509
Rannay 106 de la	10-40S-25E	43-037-31515
Monument 17E	17-40S-25E	43-037-31547
Runway 10E-2	10-40S-25E	43-037-31550
Blue Hogan 1J-1	01-42S-23E	43-037-31562
Anasazi 5L-3	05-42S-24E	43-037-31572
Brown Hogan 1A-2	01-42S-23E	43-037-31573
Runway 10C-5A	10-40S-25E	43-037-31597
North Heron 35C	35-41S-25E	43-037-31616
Burro 31-I	31-41S-24E	43-037-31708
Jack 31G	31-41S-24E	43-037-31709
Mule 31M	31-41S-24E	43-037-31710
Big Sky 6E (6L)	06-42S-25E	43-037-31714
Hillside 6C-1	06-42S-25E	43-037-31721



#### **ELKHORN OPERATING COMPANY** ANETH PLANT P.O. BOX 70 MONTEZUMA CREEK, UTAH 84534 Memorandum



To:

See Distribution List

From:

Gene Gruetta

Date:

August 18, 1995

Subject: AMETH PLANT SEUTDOWN

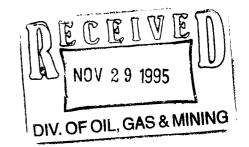
Aneth Plant will be shut down on September 18, 1995 to make necessary repairs to the cooling tower, inspect and clean gas coolers, and repair other equipment which requires a plant shutdown.

We plan to have the plant started back up the afternoon of Friday, September 22, 1995.

Each operator will need to make whatever contacts with regulatory agencies and gas marketers, etc. they deem necessary.

Should you have questions, call the writer at (801)651-3254.

# CHUSKA ENERGY COMPANY RUNWAY 10G#1 43 037 3/5/5 SECTION 10, T40S-R25E SAN JUAN CO., UTAH



#### SIDEWALL CORES

#### RUN #1:

- 6126 (1) DOL gybrn, micxl-micsuc, slslty, rthy-cln, dns, vrr intxl POR, NFSOC
- 6101 (2) LS gy, crpxl-micxl ip, sl dol, Tr anhy xl, n vis intxl-frac POR, Tr calc fl frac, sl fos, g vug POR, Tr-fr ltbrn STN Tr-rr dd O STN, g fast stmg mlky yel wh CUT
- 6098 (3) LS gy, crpxl, sldol, rr ANHY INCL, fr vug POR, g bri yel FLOR, fr-g ltbrn STN, g slo-mod fast stmg mlky yel CUT, fnt od
- 6096 (4) LS AA Tr frac POR, fr vug POR, g bri yel FLOR, fr lt brn Tr blk dd O STN, g fast stmg mlky CUT, fr od
- 6093 (5) LS gy, crpxl-micxl ip, sldol, Tr ANHY xl, vrr frac-g vug POR, Tr calc-ANHY xl in vugs & frac, g bri yel FLOR, fr ltbrn-Tr blk dd O STN, g fast stmg mlky CUT, fr od

#### RUN #2:

- 6089 (1) LS ltgy, crpxl, some micxl-suc in vugs, sldol, Tr scant ANHY xl, Tr styol, g vug POR, occ ANHY fl vug, g bri yel FLOR, g-fr ltbrn-Tr blk dd O STN, g vfast stmg CUT, gr od
- 6088 (2) LS gy, crpxl, dns, pred tt-vrr frac-vug POR, blk carb SH INCL, vrrn bri yel FLOR, vrr spty ltbrn STN, vp vslo dif CUT, n-vfnt od
- 6083 (3) LS gy, crpxl, Tr micxl-micsuc, vsldol, rr ANHY xl, Tr vug POR, vrr frac-pred calc-ANHY FL, fr-g bri yel FLOR, g ltbrn STN in vugs, fr stmg mlky CUT, Tr od
- 6066 (4) DOL-brn, micsl-micsuc, lmy, arg, vslanhy-vrr ANHY xl, tt-Tr intxl POR, Tr fnt dul yel FLOR, rr lt-dkbrn STN, vfnt od
- 6062 (5) DOL-gybrn, micxl-micsuc, lmy ip, arg, slshly, lg ANHY nod Tr fr intxl-Tr vug-vrr frac POR, g dul yel FLOR, fr dkbrn STN, g fast stmg mlky yel CUT, Tr od
- 6061 (6) DOL-brn, micxl-vfxl, suc-micsuc, sllmy, rr ANHY xl, vsl shly ip, fr-g intxl-Tr vug POR, tR-FR LTBRN-DKBRN stn, g mod fast stmg mlky CUT, fr od
- (7) DOL-dkgybrn, crpxl-micxl, occ vfxl, micsuc, suc ip, sllmy, vslarg ip, vrr ANHY xl, Tr intxl-Tr-fr vug POR, g dul yel FLOR, fr brn STN, g fast stmg mlky yel CUT, fr od

#### CHUSKA ENERGY COMPANY RUNWAY 10G#1 SIDEWALL CORES

TO SERVED TO

- 6057 (8) DOL-brn-gy, crp-vfxl, micsuc-suc, vsllmy, vslslty, vrr ANHY xl, g intxl-vug POR, g dul yel FLOR, g brn STN-rr blk dd O STN, g slo stmg mlky yel CUT, Tr od
- 6054 (9) DOL-dkgybrn, micxl, lmy, slty, varg-vshly, tt-vrr intxl POR, NFSOC, nod
- 6046 (10) DOL-AA grdg to dol SH, NFSOC
- 5904 (11) DOL-ltbrn, crp-micxl, micsuc, sllmy, v lg ANHY nod, fr intxl-Tr pp vug POR, g bri yel FLOR, fr mod fast stmg mlky CUT, fnt od
- 5902 (12) DOL-brn, micxl, occ vfxl, micsuc-suc, sllmy, slslty, rr ANHY xl-rr small ANHY nod, Tr blk carb SH INCL, g intxl-fr vug POR, g bri yel FLOR, Tr-fr spty ltbrn-rr blk O STN, G mod fast stmg mlky CUT, g od
- 5900 (12) DOL-AA, sl-vlmy, g intxl-fr-g vug POR, g bri-dul yel FLOR, g ltbrn STN-Tr blk dd O STN, g fast stmg mlky yel CUT, g od
- 5898 (13) DOL-aa /abnt frac, Tr ANHY-CALC FL FRAC, fr intxl-Tr-fr vug POR, g bri yel FLOR, fr spty ltbrn-rr blk dd O STN, g mod fast stmg mlky yel CUT, fr od

Form 3160-5 (June 1990)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

NOG 8707-1170

### SUMPRY NOTICES AND REPORTS ON WELLS

	AND REPORTS ON WELLS	6. If Indian, Allottee or I ribe Name
Do not use this form for proposals to dr Use "APPLICATION FO	ill or to deepen or reentry to a different reservoir. R PERMIT—" for such proposals	Navajo
	TO TOUR LOATE	7. If Unit or CA, Agreement Designation
SUBMIT	IN TRIPLICATE	
I. Type of Well		N/A
Oil Gas Other		8. Weil Name and No.
2. Name of Operator		Runway Lease
Harken Southwest Corporat	ion	9. API Well No.
3. Address and Telephone No.		43-037-31515 & 31597
P.O. Box 612007 Dallas,	Texas 75261-2007 (972)753-6900	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey D		
Section 10-40S-25E		11. County or Parish, State
(10G-1-1710' FNL & 2450'	יים .	
10C-5A-96' FNL & 2360' F		San Juan, Utah
10C-5A-96 FNL & 2360 F	WL)	· · · · · · · · · · · · · · · · · · ·
12. CHECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF NOTICE, REPOR	II, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
		Change of Plans
Notice of Intent	Abandonment	New Construction
	Recompletion	Non-Routine Fracturing
XX Subsequent Report	Plugging Back	
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	LXIX ther Venting	Dispose Water (Note: Report results of multiple completion on Well
	Il pertinent details, and give pertinent dates, including estimated date of starting	Completion or Recompletion Report and Log form.)
Elkhorn experienced a line le Farmington District BLM off following gas volumes on Au	eak; verbal permission to vent gas was obtained ice. In order to continue production, it was ned gust 12, 1997:	from the cessary to vent the
Runway 10G-1 39 MC	`F	
Runway 10C-5A 22 MC	I'	
	State of University of OIL, GAS & MINING	tion
14. I hereby certify that the foregoing is true and correct	Dundantion Administration	or 08/26/97
Signer Lintermeter	Title Production Administrate	Date
(This space for Federal or State office use)		
	Tide	Date
Approved by		

43-037-31515

Form 3160-3 (June 1990)		TED STATES T OF THE INTERIOR	FORM APPROVED  Budget Bureau No. 1004-0135
(same trro)	DUMINDI	AND MANAGEMENT	Expires: March 31, 1993  5. Lease Designation and Serial No.
Do not		AND REPORTS ON WELLS Il or to deepen or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name
DO HOL	Use "APPLICATION FOR	R PERMIT—" for such proposals	Navajo Nation
	SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
I. Type of 'Oil Wel			8. Well Name and No.
2. Name of			See attached
	ken Southwest Corpora	tion	9. API Well No. See attached
	and Telephone No.	movag 75261-2007 (972)753-6900	10. Field and Pool, or Exploratory Area
P.O 4 Location	of Well (Footage, Sec., T., R., M., or Survey De	Texas 75261-2007 (972)753-6900	1
40,	$41 \& 42S - 23,24 \times 25$		11. County or Parish, State
Var	rious Sections	·	San Juan County, UT
12.	CHECK APPROPRIATE BOX(	s) TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
	TYPE OF SUBMISSION	TYPE OF ACTION	
	Notice of Intent	Abandonment	Change of Plans
	KX	Recompletion	New Construction Non-Routine Fracturing
	Subsequent Report	Plugging Back	Water Shut-Off
	The same services	Casing Repair Altering Casing	Conversion to Injection
	Final Abandonment Notice	Other Gas venting	Dispose Water
	\$7 P. C.		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
13. Describe	Attached please find the sum December, 1997 and January Gas Plant.	Ill pertinent details, and give pertinent dates, including estimated date of startin cal depths for all markers and zones pertinent to this work.)*  mary sheet for the gas vented by Harken South, 1998 due to the explosion and subsequent procedured, please contact the undersigned at (972)	west during oblems at the Aneth
	If additional information is re	c c c c c c c c c c c c c c c c c c c	
	CC: State of Utah Navajo Nation - Minerals BIA - Gallup, NM	Dept    Dept   FEB 02	1998 D
	$\bigwedge$	DIV. OF OIL, GAS	S & MINING
14 hereb Signed	travalla I VI natan	MULY THE Production Administrato	rDate01/29/98
(This s	pace for Federal or State office use)	Title	Date
Approv Condit	ved by ions of approval, if any:	- Inc	

### IARKEN SOUTHWEST CORPORATION

ias Vented during Aneth Plant Shut-Down (12/97 & 1/98)

1 of 3	Anasazi #1 43-037-31478 sw/nw sec 5-428-24E	Anasazi 5L-3 43-037-31572 NW/SW Sec 5-428-24E	Sahgzie 1 43-037-31472 SW/NW Sec 5-428-24E	Anasazi 6H-1 43-037-31744 SE/NE Sec 6-428-24E	Navajo Tribal 41-2 43-037-31041 NE/NE Sec 2-428-24E	Navajo Tribal 23-13 43-037-30971 NE/SW 8ec 13-403-24E	Runway 10C-5A 43-037-31597 NE/NW Sec 10-408-25E	Runway 10G-1 43-037-31515 SW/NE Sec 10-408-25E
			Ve	nted Gas (MCF) Dece	mber 1997		2.11	45
25-Dec	88	58	29	14		12	84	15 15
26-Dec	88	58	28	15		12	84 84	15
27-Dec	82	61	24	15		12		15
28-Dec	85	61	30	14		12	84 84	15
29-Dec	90	58	25		8	12 12	84	16
30-Dec	88	57	30			12	84	15
31-Dec	79	52	26				588	110
c Total	600	405	192	106	8	84	300	110
				<b>/ented Gas (MCF) Jan</b> 16		12	84	16
1-Jan		57	29 30			12	84	10
2-Jan	89	57	30			12	84	1
3-Jan	87	52 50				12	84	1
4-Jan	86	47	29			12		1
5-Jan	107 76					10		1
6-Jan		72				11	84	1
7-Jan						9		
8-Jan				1		12		
9-Jan 10-Jan					0			
10-Jan 11-Jan		1		0				
12-Jan				I				
13-Jan			C					
14-Jan		0						
15-Jan		O						
16-Jan	0				·		<u> </u>	<u> </u>
17-Jan	0		1		'\ <del>.</del>	1	<u> </u>	
18-Jan	81				·	<u> </u>	1	
19-Jan	81							
20-Jan								1:
n Total	1006						1	
and Total	1606	1158	541	336	)	100		<u> </u>

# HARKEN SOUTHWEST CORPORATION Gas Vented during Aneth Plant Shut-Down (12/97 & 1/98) Page 2 of 3

	Runway 10E-2 43-037-31550 sw/NW Sec 10-40S-25E	Momentum 8N-2 43-037-31509 SE/SW Sec 8-403-25E	Momentum 17E-2 43-037-31547 SW/NW Sec 17-40S-25E	Cajon Mesa 8D-1 43-037-31497 NW/NW Sec 8-408-25E	43-037-31562	Brown Hogan 1A-2 43-037-31573 NE/NE Sec 1-428-23E
		Vent	ed Gas (MCF) Decem	ber 1997		~~~
25 DI	64	22		22	32	20
25-Dec	64	22	23	22	32	20
26-Dec	64	22		22	32	22
27-Dec	64	22		22	32	2
28-Dec 29-Dec	64	22	22	22	32 22	20
30-Dec	64	22		25		20
31-Dec	64	19		25		14
ec Total	448	151	45	160	204	144
ec roun		Ver	nted Gas (MCF) Janua	ry 1998		
	64			25		
1-Jan	64			25		
2-Jan	64	1		25		
3-Jan	64	İ		25		
4-Jan 5-Jan	64		15		<u> </u>	
6-Jan				25	' l	<u> </u>
7-Jan	64	21		25	<u> </u>	·
8-Jan	64	2		25	'	
9-Jan	64	2		"	<u> </u>	
10-Jan		'l		<u> </u>		
11-Jan	(	/I		<u></u>		
12-Jan		<u> </u>	0	/		
13-Jan		71	91			
14-Jan		J	9			o
15-Jan		<u> </u>	<u> </u>	J		0
16-Jan		<u> </u>	<u> </u>	VI		0
17-Jan		91	<u> </u>	VI	0 4	4
18-Jan		01	<u> </u>		1 4	4
19-Jan	6	<u> </u>	9			0 2
20-Jan		<u> </u>	<u>4                                     </u>	3 27	3 33	
Jan Total	66		9	<u> </u>		
Grand Total	111	4 37	0 11	0		

Gas Vented	during Aneth Pla	nt Shut-Down (12/	•	
	Mule 31M 43-037-31710 SW/SW Sec31-41-24E	Big Sky 6E(6L) 43-037-31714 NW/SW Sec 6-429-25E	Mule 31-K(N) 43-037-31617 NE/SW Sec 31-418-24E	DAILY TOTALS
25.5		ed Gas (MCF) Decemb		746
25-Dec	25	62	25	715
26-Dec	25	94		744
27-Dec	20	94	21	730
28-Dec	19	90	21	735
29-Dec	28	62 83	29	753
30-Dec	22 23	62 62		686 661
31-Dec				<u> </u>
Dec Total	162	526	96	5024
	Ven	ted Gas (MCF) Januar	y 1998	
1-Jan	22	62		704
2-Jan	23	63		686
3-Jan	23	63		680
4-Jan	23	63		678
5-Jan	23	63		717
6-Jan	22	63		693
7-Jan	23	63	21	720
8-Jan	23	63	. 21	717
9-Jan	23	64	21	736
10-Jan	0	64	0	276
11-Jan	0	0	0	0
12-Jan	0	0	0	0
13-Jan	0	0	0	0
14-Jan	0	0	0	0
15-Jan	0	0	0	0
16-Jan	0	0	0	0
17-Jan	0	0	0	0
18-Jan	23	73	0	359
19-Jan	25	73	21	613
20-Jan	23	2	23	312
Jan Total	276	779	107	7891
Grand Total	438	1305	203	12915

HARKEN SOUTHWEST CORPORATION

## STATE OF UTAH DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

## MONTHLY OIL AND GAS PRODUCTION REPORT

<u> </u>	ATOR NAM	IE AND ADDRESS	3		UTAH AC	COUNT NUN	ИBER:	N9	290	
HARKEN - RIM SOUTHWEST CORPORATION						ERIOD (MO	NTH/YEAR):	02/	2001	
	BOX 2058 ARMINGTON	N, NM 87499-2058			AMENDE	O REPORT		(Highlight Changes)		
WELL NAME			Producing	Well	Well	Days		Production Volum	es	
API Number	Entity	Location	Zone	Status	Туре	Oper	OIL (BBL)	GAS (MCF)	WATER (BBL)	
NAVAJO TRIBA		2000					_			
4303730971	09420	40S 24E 13	DSCR	P	ow	28	1,071	551	2,296	
NAVAJO TRIBA		.052.2.2								
4303731041	09437	42S 24E 02	DSCR	Р	ow	19	174	23	0	
NAVAJO TRIBA		120 2 12 02								
4303731060	09990	40S 22E 26	DSCR	P	low	8	104	291	0	
NAVAJO TRIBA		405 ZZZ Z0								
4303730977	10130	40S 24E 05	DSCR	P	ow	28	93	0	0	
SAHGZIE 1	10130	405 242 03				1				
4303731472	11032	42S 24E 05	DSCR	P	ow	28	1,025	476	0	
ANASAZI 1	11032	<del>128 242 03</del>		<del> </del>						
4303731478	11042	42S 24E 05	DSCR	P	ow	28	1,308	1,349	0	
CAJON MESA 8		423 242 03	DOOK		+					
	11074	40S 25E 08	DSCR	P	ow	27	245	355	61	
4303731497		403 23E 06	Dock	<del>                                     </del>	+,	<del>  -</del>				
MONUMENT 8	N-2 11087	40S 25E 08	DSCR	P	ow	28	239	496	0	
4303731509		403 ZJE 06	DBCK	<del>                                     </del>	+	<del>                                     </del>				
RUNWAY 10G-		400 26E 10	DSCR	s	low	28	1,412	1,613	432	
4303731515	11105	40S 25E 10	DSCR	<del>                                     </del>	1 0	<del> </del>	.,			
RUNWAY 10E-		400 26E 10	DSCR	s	GW	27	279	917	0	
4303731550	11128	40S 25E 10	DSCR	1-3-	+	<del>                                     </del>				
MONUMENT 1		40S 25E 17	DSCR	s	ow	26	157	548	0	
4303731547	11139		DSCR		<del>                                     </del>					
LONE MOUNT			DSCR	l <sub>P</sub>	ow	22	149	533	12	
4303731545	11148	42S 24E 12	DSCK	<del>                                     </del>	<del>                                     </del>	<del>   </del>			<del>                                     </del>	
RUNWAY 10C		400 05E 10	DSCR	P	ow	24	221	899	40	
4303731597	11152	40S 25E 10	Dack	1		<u> </u>				
						TOTALS	6477	8051	2841	
						į				
COM 41	DITO.									
COMME	2N15:									
						<b>.</b>				
I hereby certify t	that this repo	ort is true and con	plete to the b	est of my l	nowledge.	Date:		April 13, 2001		
		10 1			<b>6</b> **	A STATE OF	hone Namber	1	226 0550	
Signature	24	AN M. I have	BARAN .		•	Telep	norie ilininaei	(505)	326-0550	

APR 17 2001

DIVISION OF OIL, GAS AND MINING

#### STATE OF UTAH DIVISION OF OIL, GAS AND MINING

10

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

0,000	MONTHL			ASTR	ОДО	TION RE	PORT	
OPERATO	R NAME AND ADDRE	SS		-				
Susan H	егтега			UTAH A	CCOUNT N	HIMBED.		
	UTHWEST CORPORA				CCOONT	CMBEK:	N	9290
С/О НО	LCOMB OIL AND GAS	S, INC.		REPORT	PERIOD (N	MONTH/YEAR):	02	/2001
PO BOX				ł				2001
PARIVIII	NGTON, NM 87499-205	8		AMENDE	ED REPORT	г 🗌	(Highlight Change	es)
				1				
WELL NAME		Producing	Well	Well	Days	I	Production Volum	es
API Number Ent	ity Location	Zone	Status	Туре	Oper	OIL (BBL)	GAS (MCF)	WATER (BBL)
BLUE HOGAN 1J-1 4303731562 111	(1 400 000 00							·····EK (BBE)
4303731562 111 ANASAZI 5L-3	61 42S 23E 01	DSCR	P	OW	27	800	778	36
4303731572 112	07 400 040 04		}	ļ				
BROWN HOGAN 1A-		DSCR	P	ow	28	1,187	1,284	0
4303731573 112		D. 0. 5-		}				
STERLING 36L-1	15 42S 23E 01	DSCR	P	ow	28	297	504	0
4303731595 1122	24 410 000 00	D0						
MULE 31K (N)	24 41S 23E 36	DSCR	S	ow	0	0	0	l o
4303731617 1132	26 410 245 21	Dagon						
NORTH HERON 35C	26 41S 24E 31	DSCR	P	ow	28	308	348	73
4303731616 1147	79 /19 255 25	DOOD		0				
BURRO 31I	79 41S 25E 35	DSCR	S	OW	0	0	0	0
4303731708 1149	96 41S 24E 31	DOCD	5					
JACK 31G	·	DSCR	P	ow	28	489	0	0
4303731709 1149	97 41S 24E 31	DSCR		0117				
MULE 31M	7 415 245 31	DSCR	S	ow	0	0	0	0
4303731710 1149	8 41S 24E 31	DSCR	P	011/	20			
BIG SKY 6E (6L) 1	110 24 251	DSCR	- F	ow	28	1,074	333	120
4303731714 1172	2 42S 25E 06	DSCR	P	ow	26			
CLAY HILL CANYON		DSCR		- 0w	26	262	551	0
4303731741 1173		DSCR	TA	NA	_	_	İ	
ANASAZI 6H-I	110 20202	- DOCK	-17	- IVA	0	0	0	0
4303731744 1177	3 42S 24E 06	DSCR	P	ow	28	205	202	_
						203	303	0
				_	Г			
				Т	OTALS	4622	4101	229
COMMENTS:								
		<del></del>						
hereby certify that this re	eport is true and compl	ete to the best o	of my know	vledge.	Date: _		April 13, 2001	
Signature	Sugar M. Hus	anana		£4.	Pelenh	one Number	*	
	Susan M	. Herrera			Francisco Con	one Number	(505) 320 تخسب	5-0550

APR 17 2001

DIVISION OF OIL, GAS AND MINING

#### STATE OF UTAH

	DEPARTMENT OF NATURAL RES	OURCES			
•	DIVISION OF OIL, GAS AND	MINING			DESIGNATION AND SERIAL NUMBER:  ATTACHED
SUNDRY	6. IF INDI Nava	AN, ALLOTTEE OR TRIBE NAME: JO			
Do not use this form for proposals to drill n	new wells, significantly deepen existing wells belo aterats. Use APPLICATION FOR PERMIT TO DI	ow current bottom-hole depth RILL form for such proposals	, reenter plugged wells, or to		ATTCHED
1. TYPE OF WELL OIL WELL	1	NAME and NUMBER: ATTACHED			
2. NAME OF OPERATOR: RIM Southwest Corpora	otion			9. APINI	IMBER: ATTACH
3. ADDRESS OF OPERATOR:		3	PHONE NUMBER:	10. FIELD	O AND POOL, OR WILDCAT:
	Y Farmington STATE NM	<sub>ZiF</sub> 87499	(505) 327-5531	Grea	ter Aneth
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE A	TTACHED			COUNTY	: San Juan
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN:			STATE:	UTAH
11. CHECK APPI	ROPRIATE BOXES TO INDI	CATE NATURE	OF NOTICE, REPO	RT, OR	OTHER DATA
TYPE OF SUBMISSION			PE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN			REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE		=	SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON
Approximate date work will start:	CASING REPAIR	NEW CONST		=	TUBING REPAIR
	CHANGE TO PREVIOUS PLANS	☐ PLUG AND A		=	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE TUBING  CHANGE WELL NAME	PLUG BACK		=	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	=	ON (START/RESUME)		WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMAT		ON OF WELL SITE		OTHER: Corporate Name
	CONVERT WELL TYPE		TE - DIFFERENT FORMATION	Mind	Change
Corporate Name Change reporting requirements.	from Harken Southwest Corp	ooration to RIM S	outnwest Corporation	on, erre	ctive December 1, 2000 for
					ionv <b>ed</b>
					Algor S <b>ep</b>
					DIVISION OF CAS AND MINING
NAME (PLEASE PRINT), W.J. HON	comb	τιτι	Vice-President		
SIGNATURE	olh	DA1	4/23/2001		

(This space for State use only)

#### **OPERATOR CHANGE WORKSHEET**

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent/Operator

#### X Operator Name Change

Merger

12/1/2000

FROM: (Old Operator):				<b>TO:</b> ( New C	•				
N9290-Harken Southwest Corporation				N1715-Rim S		orporation	1		
5 Inverness Drive, East				PO Bo	x 145				
Denver, CO 80112				Farmington, NM 87499					
Phone: (303) 799-9828				Phone:	(505) 327	-5531			
	CA No.			Unit:					
WELL(S)				•			· ·		
NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE			
					NO	TYPE	TYPE	STATUS	
NAVAJO TRIBAL 32-26	26	400S	220E	4303731060	9990	Indian	OW	S	
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	ow	P	
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	ow	P	
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	ow	P	
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P	
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	ow	P	
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P	
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	P	
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW_	P	
STERLING 36L-1	36	410S	230E	4303731595	11224	Indian	OW	S	
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P	
BURRO 311	31	410S	240E	4303731708	11496	Indian	OW	P	
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P	
JACK 31G	31	410S	240E	4303731709	11497	Indian	ow	S	
CLAY HILL CANYON 32D	32	410S	250E	4303731741	11734	Indian	ow	TA	
NORTH HERON 35C	35	410S	250E		11479	Indian	ow	S	
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	ow	P	
BROWN HOGAN 1A-2	01	420S	230E		11215	Indian	OW	P	
NAVAJO TRIBAL 41-2	02	420S	240E		9437	Indian	OW	P	
SAHGZIE I	05	420S		4303731472	11032	Indian	OW	P	
ANASAZI I	05	420S		4303731478	11042	Indian	OW	P	
	0.5	14000	LAMOR	4202721672	11207	11:	OW	D	

#### **OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

LONE MOUNTAIN CREEK 12F-1

ANASAZI 5L-3

ANASAZI 6H-1

BIG SKY 6E (6L) 1

1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on:

4/27/2001

OW

OW

OW

ow

Indian

Indian

Indian

Indian

2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on:

4/27/2001

11207

11773

11148

11722

3. The new company was checked on the Department of Commerce, Division of Corporations Database on:

05

06

12

06

420S

420S 240E 4303731572

420S 240E 4303731744

420S 240E 4303731545

250E 4303731714

6/30/2003

P

P

P

4.	Is the new operator registered in the State of Utah:	YES	Business Number:	7 <b>94466-01</b> 43
5.	If NO, the operator was contacted contacted on:			
6. (	R649-9-2)Waste Management Plan has been received on:		8/13/2003	
7.	Federal and Indian Lease Wells: The BLM and or the BIA	has a	- <del>-</del>	ger, name change,
	or operator change for all wells listed on Federal or Indian leases on:		not given	
8.	Federal and Indian Units:  The BLM or BIA has approved the successor of unit operator for we	lls liste	d on:	n/a
9.	Federal and Indian Communization Agreements ("CA The BLM or BIA has approved the operator for all wells listed within		on:	n/a
10	. Underground Injection Control ("UIC") The Division for the enhanced/secondary recovery unit/project for the water disposa	-	-	5, Transfer of Authority to Inject,
DA	ATA ENTRY:			
1.	Changes entered in the Oil and Gas Database on:		8/26/2003	
2.	Changes have been entered on the Monthly Operator Change Spream	d Shee	t on: <u>8/2</u>	26/2003
3.	Bond information entered in RBDMS on:		n/a	
4.	Fee wells attached to bond in RBDMS on:		n/a	
SI	TATE WELL(S) BOND VERIFICATION:		,	
1.	State well(s) covered by Bond Number:		<u>n/a</u>	
FI	EDERAL WELL(S) BOND VERIFICATION:			
1.	Federal well(s) covered by Bond Number:		n/a	
IN	DIAN WELL(S) BOND VERIFICATION:			
1.	Indian well(s) covered by Bond Number:		RLB0001937	
FI	EE WELL(S) BOND VERIFICATION:			
1.	(R649-3-1) The NEW operator of any fee well(s) listed covered by Bo	ond Nu	mber 	n/a
2.	The FORMER operator has requested a release of liability from their b	ond on	:	n/a
	The Division sent response by letter on:		IVa	
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted of their responsibility to notify all interest owners of this change on:	ed and	informed by a letter	r from the Division
CC	DMMENTS:			
Be	cause this was a merger, all LA and PA wells belong to Rim South	thwest	also. However, t	hey are still on our
co	mputer as Harken Southwest because no list was provided to mo	ove the	III.	

Form 3160-5 (June 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

Expires: March 31, 1993

5. Lease Designation and Serial No.

#### See Attached

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT." for such proposals

6. If Indian, Allottee or Tribe Name

	OR PERMIT—" for such proposals	Navajo Nation
SUBMI	T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas Well Well Other		8. Well Name and No.
2. Name of Operator		
RIM SOUTHWEST CORPORATIO  3. Address and Telephone No.	N ·	9. API Well No.
	n, NM 87499 (505)327-5531	10. Field and Pool, or Exploratory Area
4. Location of Well (Locate, Sec., 1., N., M., of Survey L	rescription)	11. County or Parish, State
		San Juan County Utah
12. CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF A	
X Notice of Intent	Abandonment	Change of Plans
<u></u>	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
<b>—</b>	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Vent/Flare Gas	S Dispose Water (Note: Report results of multiple completion on We Completion or Recompletion Report and Log form.
		s back on line.
		s back on line.
Attachment  Accepted by the	cc: State of Navajo Na Navajo Na Navajo Na	Utah tion-Minerals tion EPA - Air Quality
Attachment  Accepted by the  Utah Division of	cc: State of Navajo Na Navajo Na Navajo Na BIA - Gal	Utah tion-Minerals tion EPA - Air Quality lup, NM
Accepted by the Utah Division of Oil, Gas and Mining	cc: State of Navajo Na Navajo Na Navajo Na	Utah tion-Minerals tion EPA - Air Quality
Accepted by the Utah Division of Oil, Gas and Mining Date: 9/17/0	cc: State of Navajo Na Navajo Na Navajo Na BIA — Gal Federal Approval Of This Action is Necessary	Utah tion-Minerals tion EPA - Air Quality lup, NM
Accepted by the Utah Division of Oil, Gas and Mining	cc: State of Navajo Na Navajo Na BIA - Gal Federal Approval Of This Action is Necessary	Utah tion-Minerals tion BPA - Air Quality lup, NM
Accepted by the Utah Division of Oil, Gas and Mining Date: 9/17/0	cc: State of Navajo Navajo Na Navajo Na BIA — Gal Federal Approval Of This Action is Necessary	Utah tion-Minerals tion BPA - Air Quality lup, NM
Accepted by the Utah Division of Oil, Gas and Mining Date: 9/17/0  By: 10-15, 2001  14. 1 hereby certify that the ignerating is true and correct	cc: State of Navajo Navajo Na Navajo Na BIA - Gal: Federal Approval Of This Action is Necessary  COPY SENT TO CHESCE Date:	Utah tion-Minerals tion EPA - Air Quality lup, NM
Accepted by the Utah Division of Oil, Gas and Mining Date: 9/17/01 By: 100/15,2001	cc: State of Navajo Nav	Utah tion-Minerals tion EPA - Air Quality lup, NM
Accepted by the Utah Division of Oil, Gas and Mining Date: 9/17/0 By: 10-15, 2001  14. 1 hereby certify that the igregoing is true and correct Signed	cc: State of Navajo Nav	Utah tion-Minerals tion EPA - Air Quality lup, NM  AMAGENTAL  DANGENCE OIL, LABRAD
Accepted by the Utah Division of Oil, Gas and Mining Date: 9/17/01  By: 11/10/19  Ext. Oct-15, 2001  14. I hereby certify that the (gregoing is true and correct Signed (This space for Federal or State office use)  Approved by Conditions of approval, if any:	cc: State of Navajo Nav	Utah tion-Minerals tion EPA - Air Quality lup, NM

## RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	
			VENTED	
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	]
1420603373	Big Sky 6E (6L)	06-42S-25E	19	-43-037-31714
NOC 14205297				
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	-43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	18	-43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	-43-039-36971
	Navajo Tribal 14-10	10-40S-24E	1	43-039-30997
	Navajo Tribal 41-2	02-42S-24E	8	-43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31040
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	43-037-31472
1100 0707 1102	Anasazi #1	05-42S-24E	67	-43-637-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-039-31515
	Runway 10C-5A	10-40S-25E	SI	43-037-31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	-43-037-31549
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-637-31562
	Brown Hogan 1A-2	01-42S-23E	18	-43-037-315 <b>7</b> 3
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-3/6/7
	Mule 31M	31-41S-24E	24	43-037-31710
		TOTAL AVERAG	E 254	7



ANALYSIS NO. HSC80013

CUST. NO.

33500-10095

#### **WELL/LEASE INFORMATION**

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME

MULE 31M

COUNTY/ STATE SAN JUAN LOCATION

ANETH

202E412018

UT

SOURCE

PRESSURE

N/A

25 PSIG 76 DEG.F

SAMPLE TEMP **WELL FLOWING** 

DATE SAMPLED SAMPLED BY

6/30/98 FGM

FOREMAN/ENGR.

STEVEN J. MANSUR

REMARKS

FIELD

FORMATION

CUST.STN.NO.

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.332	0.0000	0.00	0.0129
CO2	0.112	0.0000	0.00	0.0017
METHANE	57.114	0.0000	578.17	0.3164
ETHANE	19.739	5.2802	350.11	0.2049
PROPANE	11.863	3.2694	299.17	0.1806
I-BUTANE	1.498	0.4900	48.83	0.0301
N-BUTANE	4.080	1.2864	133.41	0.0819
I-PENTANE	1.011	0.3699	40.54	0.0252
N-PENTANE	1.215	0.4401	48.82	0.0303
HEXANE PLUS	2.036	0.8883	104.67	0.0655
TOTAL	100.000	12.0243	1,603.72	0.9494

<sup>\* @</sup> 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0067
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,614.5
BTU/CU.FT (WET) CORRECTED FOR		1,586.4
REAL SPECIFIC GRAVITY	` ,	0.9559

DRY BTU @ 14.650	1,605.7	CYLINDER #	SJ99
DRY BTU @ 14.696	1,610.7	CYLINDER PRESSURE	10 PSIG
DRY BTU @ 14.730	1,614.5	DATE RUN	7/1/98
DRY BTU @ 15.025	1,646.8	ANALYSIS RUN BY	DAVE MARTIN



ANALYSIS NO.

HSC80012

CUST. NO.

33500- 10015

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

UT

**WELL NAME** 

MULE 31K

COUNTY/ STATE LOCATION

SAN JUAN

ANETH

**FIELD** 

**FORMATION** CUST.STN.NO.

DESERT CREEK

202E340052

SOURCE

N/A

**PRESSURE** 

**24 PSIG** 84 DEG.F

SAMPLE TEMP **WELL FLOWING** 

**DATE SAMPLED** SAMPLED BY

6/30/98 **FGM** 

FOREMAN/ENGR.

STEVEN J. MANSUR

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.925	0.0000	0.00	0.0186
CO2	0.133	0.0000	0.00	0.0020
METHANE	63.617	0.0000	643.99	0.3524
ETHANE	16.771	4.4862	297.47	0.1741
PROPANE	9.543	2.6301	240.66	0.1453
I-BUTANE	1.205	0.3942	39.28	0.0242
N-BUTANE	3.315	1.0452	108.39	0.0665
I-PENTANE	0.794	0.2905	31.84	0.0198
N-PENTANE	0.944	0.3419	37.93	0.0235
HEXANE PLUS	1.753	0.7648	90.12	0.0564
TOTAL	100.000	9.9529	1,489.68	0.8829

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

**COMPRESSIBLITY FACTOR** 1.0056 (1/Z)1,498.0 BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,472.0 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 0.8877 REAL SPECIFIC GRAVITY

DRY BTU @ 14.650	1,489.9	CYLINDER#	048A
DRY BTU @ 14.696	1,494.6	CYLINDER PRESSURE	24 PSIG
DRY BTU @ 14.730	1,498.0	DATE RUN	7/1/98
DRY BTU @ 15.025	1,528.0	ANALYSIS RUN BY	CHELLE DURBIN

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.



ANALYSIS NO. HSC80009

CUST. NO.

33500- 10080

#### **WELL/LEASE INFORMATION**

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME COUNTY/ STATE

JACK 31G

SAN JUAN **ANETH** 

UT

SOURCE PRESSURE N/A

28 PSIG 76 DEG.F

SAMPLE TEMP **WELL FLOWING** 

6/30/98

DATE SAMPLED

SAMPLED BY

**FGM** 

202E410005

FOREMAN/ENGR.

STEVEN J. MANSUR

#### REMARKS

LOCATION

FORMATION

CUST.STN.NO.

**FIELD** 

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.975	0.0000	0.00	0.0191
CO2	0.062	0.0000	0.00	0.0009
METHANE	70.488	0.0000	713.55	0.3904
ETHANE	13.388	3.5813	237.46	
PROPANE	7.057	1.9449	177.97	0.1390 0.1075
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.613	0.8239	85.44	0.0524
I-PENTANE	0.750	0.2744	30.08	0.0187
N-PENTANE	0.920	0.3332	36.97	0.0229
HEXANE PLUS	1.735	0.7570	89.20	0.0558
TOTAL	100.000	8.0458	1,403.66	0.8271

<sup>\*@</sup> 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

<sup>14.730</sup> PSIA & 60 DEG. F. \*\* @

COMPRESSIBLITY FACTOR	(1/Z)	1.0049
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,410.5
BTU/CU.FT (WET) CORRECTED FOR		1,386.0
REAL SPECIFIC GRAVITY	` '	0.8311

DRY BTU @ 14.650	1,402.9	CYLINDER#	004	
DRY BTU @ 14.696 DRY BTU @ 14.730 DRY BTU @ 15.025	1,407.3 1,410.5 1,438.8	CYLINDER PRESSURE DATE RUN ANALYSIS RUN BY	12 7/1/98	PSIG MARTIN



ANALYSIS NO.

N/A

17 PSIG

12/23/00

21 DEG.F

HSC00018

CUST. NO.

33500-10035

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

UT

WELL NAME COUNTY/ STATE

BIG SKY 6E

SAN JUAN

ANETH

LOCATION **FIELD** 

**FORMATION** 

CUST.STN.NO.

202E430640

SOURCE

PRESSURE

SAMPLE TEMP

WELL FLOWING

DATE SAMPLED

SAMPLED BY FOREMAN/ENGR.

FGM

STEVEN J. MANSUR

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0048
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,415.4
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,390.8
REAL SPECIFIC GRAVITY		0.8302

DRY BTU @ 14.650	1,407.7	CYLINDER#	007	
DRY BTU @ 14.696	1,412.2	CYLINDER # CYLINDER PRESSURE	007 17	PSIG
DRY BTU @ 14.730	1,415.4	DATE RUN	12/28	
DRY BTU @ 15.025	1,443.8	ANALYSIS RUN BY		HANON

COM, INCON-SITE GAS ANALYSIS

1427 W. AZTEC BLVD. #3

AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES

Report Date: 06/19/2001 13:48:14

Station #: 78-153

153 Sample Date: 06/13/2001

Station Name: BLUE/BROWN HOGAN Field: RIM SOUTHWEST

Flowing Pressure: 0 psig Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S\_1.MET File: c:\mti\ezchrom\200\chrom\78\_15306.2

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	3,577	0.000	0.035	
Methane	55.640	563.264	0.308	
CO2	0.033	0.000	0.001	
Ethane	17.739	314.636	0.184	4.744
H2S (APPROX)	0.000	0.000	0.000	
Propane	11.983	302.202	0.182	3.302
i-Butane	1.627	53,031	0.033	0.532
n-Butane	4.370	142.892	0.088	1.378
i-Pentane	1.194	47,881	0.030	0.437
n-Pentane	1.465	58.866	0.036	0.531
Hexanes	1.955	93,193	0.058	0.804
Heptanes	0.373	20.572	0.013	0.172
Octanes	0.044	2.756	0.002	0.023
Nonanes	0.000	0.000	0.000	
Ideal Total	100,000	1599,293	0.969	11,922
Unnormalized Total	111.244	- · · · · · · · · · · · · · · · · · · ·	- •	

Gross BTU/Real Cu. Ft.
(@ 60 deg F, 14.730)
Propane GPM = 3.302
Dry = 1610.156
Sat. = 1583.743
Actual = 1610.156

Qasoline GPM = 1.910
Gasoline GPM = 1.966
26# Gasoline GPM = 3.344
Total GPM = 11.922

Real Relative Density Calculated = 0.9755 On-Site Relative Density = 0.0000



ANALYSIS NO.

HSC00010

CUST. NO.

33500-10090

#### **WELL/LEASE INFORMATION**

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME

MONUMENT 17-E-2 SAN JUAN

COUNTY/STATE

LOCATION **ANETH** 

**FIELD** 

CUST.STN.NO.

**FORMATION** 

202E311659

UT

SOURCE

PRESSURE

N/A

SAMPLE TEMP

20 PSIG 47 DEG.F

**WELL FLOWING** 

**DATE SAMPLED** SAMPLED BY

12/21/00 FGM

FOREMAN/ENGR.

STEVEN J. MANSUR

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.0000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

<sup>\*@</sup> 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1	/Z) 1.0054
BTU/CU.FT (DRY) CORRECTED FOR (1.	(Z) 1,479.5
BTU/CU.FT (WET) CORRECTED FOR (1/	
REAL SPECIFIC GRAVITY	0.8647

DRY BTU @ 14.650	1,471.5	CYLINDER#	005	
DRY BTU @ 14.696	1,476.1	CYLINDER PRESSURE	22	PSIG
DRY BTU @ 14.730	1,479.5	DATE RUN	12/22	
DRY BTU @ 15.025	1,509.2	ANALYSIS RUN BY	AMY.	JUSTICE



ANALYSIS NO.

HSC00014

CUST. NO.

33500-10120

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

UT

WELL NAME

LOCATION

**RUNAWAY 10E2** 

COUNTY/ STATE SAN JUAN

**ANETH** 

FIELD

**FORMATION** 

CUST.STN.NO.

202E311617

SOURCE

PRESSURE

SAMPLE TEMP

N/A

**WELL FLOWING** 

DATE SAMPLED

12/21/00 FGM

SAMPLED BY FOREMAN/ENGR.

STEVEN J. MANSUR

21 PSIG

60 DEG.F

#### **REMARKS**

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.534	0.0000	0.00	0.0052
CO2	0.053	0.0000	0.00	0.0008
METHANE	50.326	0.0000	509.45	0.2788
ETHANE	23.092	6.1771	409.58	0.2397
PROPANE	14.269	3.9325	359.85	0.2173
I-BUTANE	1.588	0.5194	51.76	0.0319
N-BUTANE	4.428	1.3961	144.79	0.0889
I-PENTANE	0.988	0.3615	39.62	0.0246
N-PENTANE	1.348	0.4882	54.17	0.0336
HEXANE PLUS	3.374	1.4721	173.46	0.1086
TOTAL	100.000	14.3471	1,742.68	1.0292

<sup>14,730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0082
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,758.8
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,728.2
REAL SPECIFIC GRAVITY		1.0390

DRY BTU @ 14.650	1,749.3	CYLINDER#	AZT035	
DRY BTU @ 14.696	1,754.8	CYLINDER PRESSURE	26	PSIG
DRY BTU @ 14.730	1,758.8	DATE RUN	12/22	/00
DRY BTU @ 15.025	1,794.1	ANALYSIS RUN BY	AMY	JUSTICE



ANALYSIS NO.

HSC00013

CUST. NO.

33500-10115

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME

**FIELD** 

**RUNAWAY 10C 5-A** 

COUNTY/ STATE LOCATION

**FORMATION** 

CUST.STN.NO.

SAN JUAN ANETH

202E308719

UT

SOURCE **PRESSURE**  N/A

SAMPLE TEMP

9 PSIG 69 DEG.F

**WELL FLOWING** 

DATE SAMPLED

12/21/00 FGM

SAMPLED BY

FOREMAN/ENGR.

STEVEN J. MANSUR

#### **REMARKS**

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.794	0.0000	0.00	0.0077
CO2	0.109	0.0000	0.00	0.0017
METHANE	56.637	0.0000	573.34	0.3137
ETHANE	18.737	5.0121	332.34	0.1945
PROPANE	11.185	3.0826	282.07	0.1703
I-BUTANE	1.296	0.4239	42.24	0.0260
N-BUTANE	3.814	1.2026	124.71	0.0765
I-PENTANE	1.035	0.3787	41.51	0.0258
N-PENTANE	1.558	0.5643	62.60	0.0388
HEXANE PLUS	4.835	2.1095	248.57	0.1556
TOTAL	100.000	12.7737	1,707.38	1.0106

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0080
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,723.7
BTU/CU.FT (WET) CORRECTED FOR		1,693.7
REAL SPECIFIC GRAVITY	` ,	1.0203

DRY BTU @ 14.650	1,714.3	CYLINDER#	A002	
DRY BTU @ 14.696	1,719.7	CYLINDER # CYLINDER PRESSURE	14	PSIG
DRY BTU @ 14.730	1,723.7	DATE RUN	12/22/0	
DRY BTU @ 15.025	1,758.2	ANALYSIS RUN BY		USTICE

#### COM, INC. 1427 W.AZTEC, BLVD. #3 AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICE Report Date: 06/19/2001 12:58:11

Station #: 78-138 Sample Date: 06/13/2001 Station Name: RUNWAY 10-G-1 Flowing Pressure: 0 psig Field: RIM SOUTHWEST Flowing Temp.: 0 F.

Method: c:\mti\ezchrom\200\methods\sour2.met File: c:\mti\ezchrom\200\chrom\78 13806.1

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.082	0.000	0.010	
Methane	59.728	604.648	0.331	
CO2	0.074	0.000	0.001	
Ethane	18.511	328,328	0.192	4.951
H2S(approx)	0.000	0.000	0.000	
Propane	12,402	312.769	0.189	3.417
i-Butane	1.191	38.820	0.024	0.390
n-Butane	3.539	115,720	0.071	1.116
i-Pentane	0.926	37.134	0.023	0.335
n-Pentane	1.239	49.785	0.031	0.453
Hexanes	0.834	39.756	0.025	0.343
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.050	3.132	0.002	0.026
Ideal Total	100.000	1553.477	0.914	11.227
Unnormalized Total	92 627			

Unnormatized Total 92.627

Gross BTU/Real Cu. Ft. Gasoline Content (@ 60 deg F, 14.730) Propane GPM - 3.417 Dry = 1563.024Butane GPM = 1.505Sat. = 1537.392Gasoline GPM = 1.353Actual = 1563.024 26# Gasoline CPM = 2.469 0.000 lbs. water/MMCF) Total GPM = 11.227

> Real Relative Density Calculated = 0.9190 On-Site Relative Density = 0.0000

COM, IL ON-SITE GAS ANALYSIS T 2
1427 W. AZTEC BLVD. #3
AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES

Report Date: 06/19/2001 13:53:04

Station #: 78-148

Sample Date: 06/13/2001 Flowing Pressure: 0 psig

Station Name: SAGEEZIE/ANASAZI

Field: RIM SOUTHWEST

Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S\_1.MET File: c:\mti\ezchrom\200\chrom\78\_14806.1

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.664	0.000	0.006	
Methane	44.440	449.882	0.246	
CO2	0.068	0.000	0.001	
Ethane	23.771	421.625	0.247	6.358
H2S (APPROX)	0.000	0.000	0.000	
Propane	17,469	440.554	0.266	4.814
i-Butane	2.367	77.151	0.048	0.774
n-Butane	5,635	184.256	0.113	1.777
i-Pentane	1.485	59.551	0.037	0.543
n-Pentane	1.729	69.474	0.043	0.626
Hexanes	1.947	92.812	0.058	0.801
Heptanes	0.378	20.848	0.013	0.174
Octanes	0.047	2.944	0.002	0.024
Nonanes	0.000	0.000	0.000	

Ideal Total 100.000 1819.096 1.080 15.891

Unnormalized Total 113.650

Gross BTU/Real Cu. Ft.
(@ 60 deg F, 14.730)

Dry = 1835.446

Sat. = 1805.263

Actual = 1835.446
( 0.000 lbs. water/MMCF)

Gasoline Content Propane GPM = 4.814 Butane GPM = 2.551

Gasoline GPM = 2.169 26# Gasoline GPM = 3.945

Total GPM = 15.891

Real Relative Density Calculated = 1.0892 On-Site Relative Density = 0.0000



ANALYSIS NO.

HSC00012

CUST. NO.

33500-10105

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME COUNTY/ STATE **NAVAJO TRIBAL 32-26** 

SAN JUAN

ANETH

LOCATION FIELD

**FORMATION** 

CUST.STN.NO.

202A-52531

UT

**PRESSURE** 

SOURCE

N/A 17 PSIG 30 DEG.F

SAMPLE TEMP **WELL FLOWING** 

DATE SAMPLED

12/21/00

FGM SAMPLED BY

STEVEN J. MANSUR FOREMAN/ENGR.

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.934	0.000	0.00	0.0090
CO2	0.050	0.0000	0.00	0.0008
METHANE	71.878	0.0000	727.62	0.3981
ETHANE	15.057	4.0277	267.07	0.1563
PROPANE	6.531	1.7999	164.71	0.0994
I-BUTANE	0.770	0.2519	25.10	0.0155
N-BUTANE	1.958	0.6174	64.02	0.0393
I-PENTANE	0.510	0.1866	20.45	0.0127
N-PENTANE	0.663	0.2401	26.64	0.0165
HEXANE PLUS	1.649	0.7195	84.78	0.0531
TOTAL	100.000	7.8431	1,380.39	0.8007

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>14.730</sup> PSIA & 60 DEG. F. \*\* @

COMPRESSIBLITY FACTOR	(1/Z)	1.0046
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,387.6
BTU/CU.FT (WET) CORRECTED FOR		1,363.5
REAL SPECIFIC GRAVITY		0.8049

DRY BTU @ 14.650	1,380.1	CYLINDER#	KFL14	48
DRY BTU @ 14.696	1,384.4	CYLINDER PRESSURE	23	PSIG
DRY BTU @ 14.730	1,387.6	DATE RUN	12/22	/00
DRY BTU @ 15.025	1,415.4	ANALYSIS RUN BY	AMY	JUSTICE

CQM, INC. N-SITE GAS ANALYSIS 1427 W. AZTEC BLVD. #3
AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICES Report Date: 06/19/2001 13:59:32

Station #: 78-145 Sample Date: 06/13/2001
Station Name: NT41-2 Flowing Pressure: 0 psig
Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S\_1.MET File: c:\mti\ezchrom\200\chrom\78\_14506.1

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.152	0.000	0.011	
Methane	56.788	574.886	0.315	
CO2	0.085	0.000	0.001	
Ethane	19.719	349.755	0.205	5.274
H2S (APPROX)	0.000	0.000	0.000	
Propane	12.656	319.174	0.193	3.487
i-Butane	1.519	49.511	0.030	0.497
n-Butane	4.167	136.255	0.084	1.314
i-Pentane	1.029	41.265	0.026	0.377
n-Pentane	1.297	52.116	0.032	0.470
Hexanes	1.366	65.116	0.041	0.562
Heptanes	0.196	10.810	0.007	0.090
Octanes	0.026	1.628	0.001	0.013
Nonanes	0.000	0.000	0.000	
Ideal Total	100 000	1600 514	0.045	10 004
Unnormalized Total	100.000	1600.514	0.945	12.084

> Real Relative Density Calculated = 0.9508 On-Site Relative Density = 0.0000

COM, IN ON-SITE GAS ANALYSIS
1427 W. AZTEC BLVD. #3
AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICE

Report Date: 06/19/2001 14:32:41

\_∕T 2

Station #: 78-146 Sample Date: 06/14/2001 Station Name: NT #23-13 Flowing Pressure: 0 psig Field: RIM SOUTHWEST Flowing Temp.: 0 F

Method: c:\mti\ezchrom\200\methods\H2S 1.MET File: c:\mti\ezchrom\200\chrom\78 14606.1

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.159	0.000	0.011	
Methane	56.655	573.539	0.314	
CO2	0,136	0.000	0.002	
Ethane	19.548	346.722	0.203	5.228
H2S (APPROX)	0,000	0.000	0.000	
Propane	12.674	319.628	0.193	3.492
i-Butane	1,537	50.097	0.031	0.503
n-Butane	4.064	132.887	0.082	1.281
i-Pentane	0.965	38.698	0.024	0.353
n-Pentane	1.172	47.093	0.029	0.424
Hexanes	1.532	73.029	0.046	0.630
Heptanes	0.424	23.385	0.015	0.196
Octanes	0.134	8.393	0.005	0.069
Nonanes	0,000	0.000	0.000	

Ideal Total 100.000 1613.471 0.954 12.177 Unnormalized Total 107.575

Gross BTU/Real Cu. Ft. Gasoline Content
(@ 60 deg F, 14.730) Propane GPM = 3.492
Dry = 1624.438 Butane GPM = 1.784
Sat. = 1597.782 Gasoline GPM = 1.672
Actual = 1624.438 26# Gasoline GPM = 2.953
( 0.000 lbs. water/MMCF) Total GPM = 12.177

Real Relative Density Calculated = 0.9603 On-Site Relative Density = 0.0000



ANALYSIS NO.

HSC00009

CUST. NO.

33500- 10085

#### WELL/LEASE INFORMATION

WELL NAME

CUSTOMER NAME HARKEN SOUTHWEST CORP.

COUNTY/ STATE

MONUMENT 8N2 SAN JUAN

202E311589

**FIELD** 

LOCATION

FORMATION

CUST.STN.NO.

ANETH

UT

SOURCE

PRESSURE

N/A

SAMPLE TEMP

12 PSIG 55 DEG.F

**WELL FLOWING** 

DATE SAMPLED SAMPLED BY

12/21/00

FOREMAN/ENGR.

FGM STEVEN J. MANSUR

#### **REMARKS**

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.139	0.0000	0.00	0.0110
CO2	0.064	0.0000	0.00	0.0010
METHANE	60.307	0.0000	610.49	0.3341
ETHANE	15.875	4.2466	281.57	0.1648
PROPANE	11.057	3.0473	278.85	0.1684
I-BUTANE	1.628	0.5325	53.06	0.0327
N-BUTANE	5.194	1.6377	169.83	0.1042
I-PENTANE	1.202	0.4398	48.20	0.0299
N-PENTANE	1.620	0.5868	65.09	0.0404
HEXANE PLUS	1.914	0.8351	98.40	0.0616
TOTAL	100.000	11.3257	1,605.49	0.9480

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z)	1.0067
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,617.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,589.2
REAL SPECIFIC GRAVITY	0.9551

DRY BTU @ 14.650 DRY BTU @ 14.696	1,608.5 1,613.6	CYLINDER# CYLINDER PRESSURE	050 15 PSIG
DRY BTU @ 14.730	1,617.3	DATE RUN	12/22/00
DRY BTU @ 15.025	1,649.7	ANALYSIS RUN BY	AMY JUSTICE



ANALYSIS NO.

HSC00010

CUST. NO.

33500-10090

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME

MONUMENT 17-E-2

COUNTY/ STATE

SAN JUAN

ANETH

LOCATION **FIELD** 

FORMATION

CUST.STN.NO.

202E311659

UT

SOURCE

PRESSURE

20 PSIG 47 DEG.F

N/A

SAMPLE TEMP WELL FLOWING

**DATE SAMPLED** 

12/21/00

SAMPLED BY FOREMAN/ENGR. FGM

STEVEN J. MANSUR

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.958	0.000	0.00	0.0093
CO2	0.071	0.0000	0.00	0.0011
METHANE	67.968	0.0000	688.04	0.3765
ETHANE	14.933	3.9946	264.87	0.1550
PROPANE	8.159	2.2486	205.76	0.1242
I-BUTANE	0.965	0.3157	31.45	0.0194
N-BUTANE	2.976	0.9383	97.31	0.0597
I-PENTANE	0.754	0.2759	30.24	0.0188
N-PENTANE	1.118	0.4049	44.92	0.0279
HEXANE PLUS	2.098	0.9154	107.86	0.0675
TOTAL	100.000	9.0934	1,470.45	0.8593

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z)	1.0054
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,479.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,453.8
REAL SPECIFIC GRAVITY	0.8647

DRY BTU @ 14.650	1,4/1.5	CYLINDER#	005	
DRY BTU @ 14.696	1,476.1	CYLINDER PRESSURE	22	PSIG
DRY BTU @ 14.730	1,479.5	DATE RUN	12/22	
DRY BTU @ 15.025	1,509.2	ANALYSIS RUN BY	AMY	JUSTICE



ANALYSIS NO.

HSC00008

CUST. NO.

33500-10000

#### **WELL/LEASE INFORMATION**

COUNTY/ STATE

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME

FORMATION

CUST.STN.NO.

LOCATION

**FIELD** 

CAJON 8D1

SAN JUAN

202E311625

ANETH

ISMAY

UT

SOURCE PRESSURE N/A

SAMPLE TEMP

12 PSIG 42 DEG.F

**WELL FLOWING** 

Υ **DATE SAMPLED** 

12/21/00

SAMPLED BY

**FGM** 

FOREMAN/ENGR.

STEVEN J. MANSUR

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.802	0.0000	0.00	0.0078
CO2	0.070	0.0000	0.00	0.0011
METHANE	58.781	0.0000	595.04	0.3256
ETHANE	18.008	4.8171	319.41	0.1870
PROPANE	12.630	3.4808	318.52	0.1923
I-BUTANE	1.567	0.5126	51.07	0.0314
N-BUTANE	4.747	1.4967	155.22	0.0953
I-PENTANE	0.925	0.3385	37.09	0.0230
N-PENTANE	1.207	0.4372	48.50	0.0301
HEXANE PLUS	1.263	0.5510	64.93	0.0406
TOTAL	100.000	11.6339	1,589.78	0.9341

<sup>\* @</sup> 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0065
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,600.8
BTU/CU.FT (WET) CORRECTED FOR		1,573.0
REAL SPECIFIC GRAVITY	•	0.9408

DRY BTU @ 14.650 1,592.1		CYLINDER#	AZT047	
DRY BTU @ 14.696	1,597.1	CYLINDER PRESSURE	15 I	PSIG
DRY BTU @ 14.730	1,600.8	DATE RUN	12/26/00	)
DRY BTU @ 15.025	1,632.9	ANALYSIS RUN BY	AMY JUS	STICE

COM, INC N-SITE GAS ANALYSIS **∠**T 2 1427 W. AZTEC BLVD. #3 AZTEC, NM 87410 505-333-2003

Source: ELKHORN FIELD SERVICE

Report Date: 06/19/2001 14:36:40

Station #: 78-144

Sample Date: 06/14/2001

Station Name: MON/CAJON MESA

Flowing Pressure: 0 psig

Field: RIM SOUTHWEST

Flowing Temp.: 0

Method: c:\mti\ezchrom\200\methods\H2S 1.MET File: c:\mti\ezchrom\200\chrom\78 14406.1

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	0.989	0.000	0.010	
Methane	63.867	646.549	0.354	
CO2	0.044	0.000	0.001	
Ethane	15.724	278.896	0.163	4.205
H2S (APPROX)	0.000	0.000	0.000	
Propane	9.810	247,400	0.149	2.703
i-Butane	1.181	38.494	0.024	0.386
n-Butane	3.638	118.957	0.073	1.147
i-Pentane	0.900	36,091	0.022	0.329
n-Pentane	1.247	50.107	0.031	0.452
Hexanes	1,943	92.621	0.058	0.799
Heptanes	0.514	28.348	0.018	0.237
Octanes	0.143	8.957	0.006	0.073
Nonanes	0.000	0.000	0.000	
Ideal Total	100 000	1546 420	0 000	10 220

Ideal Total

100.000 1546.420 0.908 10.332

Unnormalized Total 108.337

Cross BTU/Real Cu. Ft. (@ 60 deg F, 14.730) Dry = 1555.948 Sat. = 1530.436 Actual = 1555.9480.000 lbs. water/MMCF)

Casoline Content Propane GPM = 2.703Butane GPM - 1.533 Gasoline GPM = 1.890 26# Gasoline GPM = 3.037

Total GPM = 10.332

Real Relative Density Calculated = 0.9133 On-Site Relative Density = 0.0000



ANALYSIS NO.

HSC00018

CUST. NO.

33500- 10035

#### WELL/LEASE INFORMATION

CUSTOMER NAME HARKEN SOUTHWEST CORP.

WELL NAME

COUNTY/ STATE SAN JUAN

202E430640

**ANETH** 

LOCATION **FIELD** 

**FORMATION** 

CUST.STN.NO.

BIG SKY 6E

UT

SOURCE PRESSURE N/A

SAMPLE TEMP

17 PSIG 21 DEG.F

**WELL FLOWING** 

DATE SAMPLED

12/23/00

SAMPLED BY

FGM

FOREMAN/ENGR.

STEVEN J. MANSUR

#### REMARKS

#### **ANALYSIS**

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.658	0.0000	0.00	0.0160
CO2	0.037	0.0000	0.00	0.0006
METHANE	66.226	0.0000	670.41	0.3668
ETHANE	17.222	4.6069	305.47	0.1788
PROPANE	9.526	2.6254	240.24	0.1450
I-BUTANE	1.012	0.3310	32.99	0.0203
N-BUTANE	2.724	0.8589	89.07	0.0547
I-PENTANE	0.496	0.1815	19.89	0.0124
N-PENTANE	0.553	0.2003	22.22	0.0138
HEXANE PLUS	0.546	0.2382	28.07	0.0176
TOTAL	100.000	9.0422	1,408.36	0.8260

<sup>14.730</sup> PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY \* @

<sup>\*\* @</sup> 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z)	1.0048
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,415.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,390.8
REAL SPECIFIC GRAVITY	0.8302

DRY BTU @ 14.650	1,407.7	CYLINDER#	007	PSIG
DRY BTU @ 14.696	1,412.2	CYLINDER PRESSURE	17	
DRY BTU @ 14.730	1,415.4	DATE RUN	12/28	/00
DRY BTU @ 15.025	1,443.8	ANALYSIS RUN BY	GINA	HANON

CQM, INC. 1427 W.AZTEC, BLVD. #3 AZTEC, NM 87410 505-333-2003

ELKHORN FIELD SERVICE

Report Date:

06/19/2001 12:14:41

Station #:

78-132

Sample Date: 06/13/2001

Station Name: Field:

HILLSIDE 6-C Big Sky

Flowing Pressure: 0

psig

RIM SOUTHWEST

Flowing Temp.: 0

Method: c:\mti\ezchrom\200\methods\sour2.met File: c:\mti\ezchrom\200\chrom\78 13206.1

#### Gas Analysis by Chromatograph

Name	Mole %	BTU	RD	GPM
Nitrogen	1.876	0.000	0.018	
Methane	65.826	666.381	0.365	
CO2	0.039	0.000	0.001	
Ethane	16.765	297.360	0.174	4.484
H2S(approx)	0.000	0.000	0.000	
Propane	9.827	247.829	0.150	2.708
i-Butane	0.865	28.194	0.017	0,283
n-Butane	2.514	82.204	0.050	0.793
i-Pentane	0.633	25.384	0.016	0.229
n-Pentane	0.787	31.623	0.020	0.288
Hexanes	0.689	32.844	0.021	0.283
Heptanes	0.166	9.155	0.006	0.077
Octanes	0.013	0.814	0.001	0.007
Ideal Total	100.000	1421.788	0.837	9.151
Unnormalized Total	94.894			

Gross BTU/Real Cu. Ft.

Gasoline Content

(@ 60 deg F, 14.730)

Propane GPM = 2.708

Dry - 1428.837

Butane GPM = 1.076

Sat. = 1405.444

Gasoline GPM = 0.884

Actual = 1428.837

26# Gasoline GPM = 1.676

0.000 lbs. water/MMCF)

Total GPM = 9.151

Real Relative Density Calculated = 0.8408 On-Site Relative Density = 0.0000

## Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

	vell File	Suspense	$\square_{\mathrm{Other}}$
	.) SecTwpRng No.)	(Return Date) (To-Initials)	
1.	Date of Phone Call: \\\[ \frac{\lambda}{\lambda}{\lambda{\lambda{\lambda}{\lambda{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda{\lambda}{\lambda{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda}{\lambda{\lambda}{\lambda}{\lambda{\lambda}{\lambda}{\lambda}{\la	Time:	3:50
2.	DOGM Employee (name)	DOUCET (	☐Initiated Call)
	Name Wayne Townsen of (Company/Organization)	<u>B</u> LM (□Initiated Call) - Phone	No. (505) 599 6359
3.	Topic of Conversation: <u>Ga</u>	s Flaring in Aneth	area - bad western
4.		Jayne laas had several m	
	Red may i Anoth chapter	S 12.5 m.les of pipel	neld-nastrain from
	to rebuild once or quent	from Nunjo etc. b) Use 20"	Cow wasderied [manchace]   month (Questar oil pipeline [1950's -1096]
	Evertone in agreement to	teepwells producing - soney	liquids from plant - talks brokedon 9/7/01 verbal complaints from public, nothing ut-in. Current plan: EPA sending
	Letter today to flare gas.	thru Plant (Gas will be meter	companies (producers). Hes andother on tor health risks, etc. BCM ated within matter. Marobably h.

Form 3160-5 (Augus: 1999)

## UNITED STATES

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

( <u> </u>	DEPARTMENT OF THE	INTERIO	R		OMB No. 1004-0135 Expires November 30, 2000			
CLINE	BUREAU OF LAND MAN					ease Seria		
SUND Do not use	ORY NOTICES AND REPO	ORTS ON	WELLS	_	-		ttached	
abandoned	well. Use Form 3160-3 (AP	) ariii or : D) for suc	o re-enter an h proposals.			•	Allottee or Tribe Name	
					N	avajo	o Nation	
	RIPLICATE - Other instr	uctions (	on reverse s	ide	7. If	Unit or C	A/Agreement, Name and/or No.	
1. Type of Well								
Oil Well Gas Well Other					8. Well Name and No.			
2. Name of Operator RIM SOUTHWES	T CORPORATION					PI Well N		
3a. Address	RIM SOUTHWEST CORPORATION  3a. Address 87499   3b. Phone No. (include area code)						0.	
P.O. Box 145	, Farmington, NM		327–5531	ea coae)	10 Fi	ald and De	ool, or Exploratory Area	
4. Location of Well (Footage, Se	c., T., R., M., or Survey Description	<u>, , , , , , , , , , , , , , , , , , , </u>	<del>51. 5551</del>	······································	- 10.11	ciu anu r	ooi, or exploratory Area	
•	•	•			11, Co	unty or P	arish, State n county	
					San			
10 0777.01					<u> </u>		ah	
12. CHECK A	PPROPRIATE BOX(ES) TO	INDICA	TE NATURE	OF NOTICE,	REPORT	, or o	THER DATA	
TYPE OF SUBMISSION			TYPE	OF ACTION				
	Acidize	Deepen		Production (Sta	un/Resume)		Water Shut-Off	
Notice of Intent	Alter Casing	Fractur		Reciamation	,	ā	Well Integrity	
K Subsequent Report	Casing Repair	New C	nstruction	Recomplete		<u>a</u>	Other Vent/Flare	
_	Change Plans	Plug an	i Abandon	Temporarily A	bandon		Gas	
Final Abandonment Notice	Convert to Injection	Plug Ba	ck 🗀	Water Disposal				
Please be advis approval to con December 1, 200 occurs first. which gave appr  Attachment  Date  By:	ed that RIM South tinue to vent/flat or until the And Please reference oval for this act Accepted by the Utah Division of Oil, Gas and Mining	hwest are ga neth p our p tion t	Corporat s from t lant is revious	ion is report to the attack sundry not ctober 1.	equest hed we on l: otice 5, 200 Stat Nava	ting ells ine, date )1. te of	additional until whichever	
14. I hereby certify that the foregoin	g is true and correct		<del></del>	<u> </u>		(5)	COCUED	
Name (Printed/Typed) W. J. Holo	comb		Title Vic	e Preside	ent	7	<b>ECEIVED</b>	
, O note			ine inc			<del></del>	NOV 0 a 2004	
Signature	ocant (SLH)		Date 11/0	01/01			NOV 0 9 2001	
=======================================	THIS SPACE FOR	R FEDER/	L OR STATE	OFFICE USE	. :	OIL	DIVISION OF GAS AND MINING	
Approved by			Title			Date		
Conditions of approval, if any, are a	ttached. Approval of this notice de	es not warr						
certify that the applicant holds legal which would entitle the applicant to co	Of commanie title to those visite is	the subject	Office					

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

### RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	7
			VENTED	1
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	]
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297	.,			
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	43-037-31472
	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-40S-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	] 43-037 <del>-</del> 31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
NOG 8707-1206	Blue Hogan 1J-1	01-42S-23E	27	43-037-31562
	Brown Hogan 1A-2	01-42S-23E	18	43-037-31573
NOG 8707-12321	Burro 31-1	31-41S-24E	1	43-037-31708
	Jack 31G	31-41S-24E	SI	<b>] 43-037-317</b> 09
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
		TOTAL AVERAGE	254	

Form 3160-5

Approved by Conditions of approved, if say:

## UNITED STATES

PORM APPROVED ost Burens No. 1004-0135

June (990)	DEDARTME	T OF THE INTERIOR		Expires: March 31, 1993
4 mars - 1 1 - 1		LAND MANAGEMENT		5. Lesse Designance and Serial No. See Attached
	SUNDRY NOTICES	AND REPORTS ON WELLS		6. If Indian. Allorses or Tribe Name
Do not us	se this form for proposals to di	rill or to deepen or reentry to a R PERMIT—" for such proposa	different reservoir. Is	Navajo Nation
		IN TRIPLICATE		7. If Unit or CA, Agreement Designation
1. Type of We				
☐ Well	Well Other			S. Well Name and No.
2. Name of Op	sensor SOUTHWEST CORPORATIO	<b>N</b>		9. API Well No.
7 Address and	Telephone No.			10. Field and Pool, or Exploratory Area
P. 0	. Box 145, Parmingto	n, NM 87499 (505)327	-2231	
4. Location of	Well (Footage, Sec., T., R., M., or Survey C	leacription)		11. County or Periols, State
				San Juan †County Utah
			NOTICE REPOR	
		s) TO INDICATE NATURE OF	TYPE OF ACTION	
	TYPE OF SUBMISSION		TIPE OF ACTION	Change of Plans
	Notice of Insent	Abundonment		New Construction
	Subsequent Report	Pagging Back		Non-Remine Proceeding
		Casing Repair		Water Shat-Off Conversion to Injection
	Plani Abandosment Notice	Abutag Cosing	to Producti	OT Dispose Water
				Commission or Resemblates Report and Log for
13. Describe Pr	represed or Completed Operations (Clearly state a	il pertinent densie, and give pertinent detec, inch sel depute for all exertents and zomes partinent to	ding command date of starting this work.)*	with brobosses mary is many a comment.
Plea prod well	se be advised that R	IM Southwest Corpora y shut-in wells on to oduction by September	tion is retu he attached	11001
Date: By: _	Accepted by the Utah Division of Oil, Gas and Mining 9/17/01	Federal Approval Of This Action Is Necessary  COPY SENT TO OFFACE Date: 9-11-61-11 Initials: CH, O	State of Uta Navajo Natio Navajo Natio BIA - Gallur	on-Minerals on BPA - Air Quality
14. I haraby c	army that the foresting in tree and correct	w. J. Holce	omb, Vice Pre	sidest 9/6/01

## RIM SOUTHWEST CORPORATION

LEASE NUMBER

WELL NAME

SEC-TWN-RNG

NOG 8707-1170

Runway 10G-1

10-40S-25E - 43-037-31515

Runway 10C-5A

10-408-25E-43-637-31597

Form 3160-5 (August 1999)	UI ED STA DEPARTMENT OF TH BUREAU OF LAND MA	IE INTERIOR NAGEMENT		5. Lease Seri	
Do not use :	RY NOTICES AND RE this form for proposals vell. Use Form 3160-3 (A	to drill or to re-ent	er en	6. If Indian,	ttached Alkouce or Tribe Name o Nation
SUBMIT IN TO	RIPLICATE - Other ins	structions on rever	se side	7. If Unit or C	CA/Agreement, Name and/or No.
Oil Well Gas Well	Other '			8. Weil Name	e and No
2. Name of Operator	C Outer			- S. Wenname	e and 140.
RIM SOUTHWEST	CORPORATION			9. API Well N	Vo.
3a. Address	87499	3b. Phone No. (inc.		1	
P.O. Box 145, F		(505)327-	5531	10. Field and P	ool, or Exploratory Area
4. Location of Well (Footage, Sec	c., T., R., M., or Survey Descrip	tion)			·
				1	Parish, State Uan County Utah
12. CHECK A	PPROPRIATE BOX(ES)	TO INDICATE NAT	URE OF NOTICE, R	EPORT, OR O	THER DATA
TYPE OF SUBMISSION			YPE OF ACTION		
Notice of Intent	Acidize	Deepen	Production (Star	t/Resume)	Water Shut-Off
C of mich	Alter Casing	Fracture Treat	Reclamation	<u></u>	Well Integrity
Subsequent Report	Casing Repair	New Construction	☐ Recomplete		Other Flare Gas
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Ab	endon	
	Convert to Injection	Plug Back	Water Disposal		
Attach the Bond under which it following completion of the invitesting has been completed. Fit determined that the site is ready	ctionally or recomplete horizon ne work will be performed or p olved operations. If the operati nal Abandonment Notices shall for final inspection.)	tally, give subsurface locat rovide the Boad No. on fil ion results in a multiple co l be filed only after all req	ions and measured and true with BLM/BIA. Requippletion or recompletion surrements, including recla	se vertical depths or red subsequent rep- in a new interval, a umation, have been	and approximate duration thereof.  f all pertinent markers and zones. orts shall be filed within 30 days a Form 3160-4 shall be filed once completed, and the operator has
Please be advi 15, 2001 the a the Aneth pipe	cracueo Aella	approximate were put back	ly 3:00 p.m. on line for	Thuraday r gas sal	, November es through
the Aneth pipe	illes plant.				
		cc:			
			Navajo Nat Navajo Nat BIA - Gall	ion EPA -	rals - Air Quality

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) J. Holcomb Title Vice President Signature Date 11/19/01 THIS SPACE FOR FEDERAL OR STATE OFFICE USE NOV 23 2001 Approved by Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. **DIVISION OF** Office OIL, GAS AND MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## RIM SOUTHWEST CORPORATION

			ESTIMATED GAS	1
			VENTED	]
LEASE NUMBER	WELL NAME	SEC-TWN-RNG	MCF/DAY	]
LEMOL NUMBER				
1420603373	Big Sky 6E (6L)	06-42S-25E	19	43-037-31714
NOC 14205297				40 007 31500
(NMNM 5756)	Monument 8N-2	08-40S-25E	18	43-037-31509
(NMNM 5757)	Cajon Mesa 8D-1	08-40S-25E	0	43-037-31497
NOG 8308-1033	Navajo Tribal 23-13	13-40S-24E	23	43-037-30971
NOG 6300-1000	Navajo Tribal 14-10	10-40S-24E	1	43-037-30977
	Navajo Tribal 41-2	02-42S-24E	8	43-037-31041
	Navajo Tribal 32-26	26-40S-22E	8	43-037-31060
NOG 8707-1162	Sahgzie #1	05-42S-24E	16	43-037-31472
NOG 8707-1102	Anasazi #1	05-42S-24E	67	43-037-31478
NOG 8707-1170	Runway 10G-1	10-408-25E	SI	43-037-31515
	Runway 10C-5A	10-40S-25E	SI	1 43-037 <del>-</del> 31597
NOG 8707-1190	Runway 10E-2	10-40S-25E	17	43-037-31550
NOG 8707-1191	Monument 17E-2	17-40S-25e	0	43-037-31547
		01-42S-23E	27	43-037-31562
NOG 8707-1208	Blue Hogan 1J-1 Brown Hogan 1A-2	101-42S-23E	18	43-037-31573
~				]
NOG 8707-12321	Burro 31-1	31-41S-24E	11	43-037-31708
	Jack 31G	31-41S-24E	SI	43-037-31709
	Mule 31K (N)	31-41S-24E	7	43-037-31617
	Mule 31M	31-41S-24E	24	43-037-31710
		TOTAL AVERAG	E: 254	

Form 3160-5 (April 2004)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004- 0137 Expires: March 31, 2007

### SUNDRY NOTICES AND REPORTS ON WELLS

5. Lease Serial No. NOG 8707-1170

Please find enclosed a revised Site Security Diagram for the RUNWAY #10G-1 well.

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					ottee, or Tribe Name IE NAVAJO NATION A. Agreement Designation
SUBMIT IN TR	IPLICATE - Other Inst	ructions on revers	e side	7. II Old Or Cr	t. Agroment Budgudon
1. Type of Well  X Oil Well Gas Well	Other			8. Well Name a	and No.
2. Name of Operator			1	RUNWAY #1	
RIM SOUTHWEST CORP				9. API Well No	
3a. Address		3b. Phone No. (inci	ude area code)		43-037-31515
5 Inverness Drive East	, Englewood CO 80112	(303)	199-9828	<ol><li>Field and P</li></ol>	ool, or Exploratory Area
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)				ANETH
				11. County or F	Parish, State
1710' FNL & 2450' FEL SW NE so	ec 10 T40N R 25E			SA	N JUAN CO., UTAH
12. CHECK APPROF	PRIATE BOX(S) TO INDI	CATE NATURE OF	NOTICE, REPOR	T, OR OTHE	R DATA
TYPE OF SUBMISSION		Т	PE OF ACTION		
Notice of Intent	Acidize	Deepen	Production ( St	art/ Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
X Subsequent Report	Casing Repair	New Construction	Recomplete		X Other
	Change Plans	Plug and abandon	Temporarily At	oandon	REVISED SITE SECURITY
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposal		DIAGRAM
13. Describe Proposed or Completed O If the proposal is to deepen direction Attach the Bond under which the we following completion of the involve testing has been completed. Final Al determined that the site is ready for	nally or recomplete horizontally, gi ork will performed or provide the B d operations. If the operation result bandonment Notice shall be filed or	ve subsurface locations and lond No. on file with the Bl s in a multiple completion of	measured and true vertice.  M/ BIA. Required subserrecompletion in a new i	al depths or perti quent reports sha interval, a Form 3	ment markers and sands.  If the filed within 30 days  If 60-4 shall be filed once

14. I hereby certify that the foregoing is true and correct.  Name (Printed: Typed)				
ranic (1 timetr Typett)				
Kenneth J. Kundrik	itle	Operations Engineer		
Signature Kennell 2 Kund.	ate	4/30/2008		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE				
Approved by	Title	Date		
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	Part		
File 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United VED States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.				
(Instructions of States)				

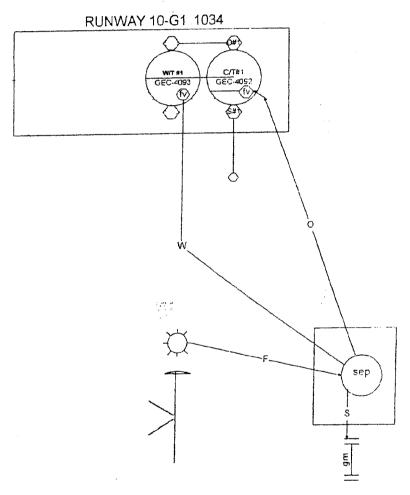
States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction. (Instructions on reverse)

### RIM SOUTHWEST SITE DIAGRAM

WELL NAME: RUNWAY #10G-1 LOCATION: Sec 10 T40S R25E COUNTY: SAN JUAN, UT

NOG#: 87071170

THE SITE SECURITY PLAN IS LOCATED AT: RIM SOUTHWEST CORP. 512 W. ARINGTON FARMINGTON, NM 87401



Attachment to the Site Facility Diagram: General sealing of valves. Sales by tank gauging PRODUCTION PHASE - All drain valves and all sales valves are sealed closed.

SALES PHASE - The tank from which sales are being made will be isolated by sealing closed the drain valve, fill valve, and the equalizer valve(s) during sales.

DRAINING PHASE - The tank being drained will isolated by sealing closed the sales valve, fill equalizer valve(s), and the drain valves on all other tanks.

SEALING OF VALVES: Tank S/T1 - S1 and D1 sealed shut

Form 3160- 5 (April 2004)

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM A	PPROV	ÆD.
OMB No.	1004-	135

The Navajo Nation

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Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. Lease Serial No.

		INC	JG-8101	-1170
6.	If Indian,	Allottee,	or Tribe	Name

SUBMIT IN TRIPLICATE - Other In	structions on reverse side	7. If Unit or CA. Agreement Designation	
1. Type of Well  X Oil Weli Gas Well Other		8. Well Name and No.	
2. Name of Operator	Runway 10G-1		
RIM Southwest Corporation		9. API Well No.	
3a. Address	3b. Phone No. (include area code)	43-037-31515	
5 Inverness Drive East, Englewood CO 80112	303-799-9828	10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Greater Aneth	
SW NE sec 10 T 40S R 25E		11. County or Parish, State	
		San Juan Co., Utah	

12. CHECK APPROF	PRIATE BOX(S) TO INI	DICATE NATURE OF	NOTICE, REPORT, OR OTH	ER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION						
X Notice of Intent	Acidize	Deepen	Production (Start/Resume)	Water Shut-off				
	Altering Casing	Fracture Treat	Reclamation	Well Integrity				
Subsequent Report	Casing Repair	New Construction	Recomplete	X Other				
	Change Plans	Plug and abandon	Temporarily Abandon	Return to production				
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposal					

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, August 29, 2008.

14. I hereby certify that the foregoing is true and correct.		
Name (Printed/Typed)		
Kenneth J Kundrik	Title	Operations Engineer
) ^ ~		ACCEPTED FOR RECORD
Signature Myly, I Dee Las Venuth Lendik	Date	9/2/2008 SEP 0 9 2008
THIS SPACE FOR FE	EDERAL OR STAT	
A STATE OF THE WORK OF THE STATE OF THE STAT		AnwingTON FJELD OFFICE
Approved by	Title	Date RV
Conditions of approval, if any are attached. Approval of this notice does not warrant of certify that the applicant holds legal or equitable title to those rights in the subject least which would entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for	any person knowingly a	and willfully to make any department or agency of the United
States any false, fictitiousor fraudulent statements or representations as to any matter	within its jurisdiction.	

FARMINGTON Wish -OCO

RECEIVED SEP 2 5 2008

Form 3160- 5 (April 2004)

### RECEIVED **UNITED STATES**

DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135

BUREAU OF LAND MANAGEMENTAR # 3 (1963 Expires: July 31, 2010 Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELLING Management NOG 8707-1170 Do not use this form for proposals to drill or to reportulation Field Office if Indian, Allottee, or Tribe Name abandoned well. Use Form 3160-3 (APD) for such proposals.

The Navajo Nation 7. If Unit or CA. Agreement Designation SUBMIT IN TRIPLICATE - Other Instructions on reverse side Type of Well 8. Well Name and No. Other Oil Well ☐ Gas Well Name of Operator Runway 10G-1 9. API Well No. RIM Southwest Corp. 3b. Phone No. (include area code) 43-037-31515 3a. Address 10. Field and Pool, or Exploratory Area 303-799-9828 5 Inverness Drive East, Englewood CO 80112 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Greater Aneth 11. County or Parish, State (1710' FNL & 2450' FEL) SW NE Sec 10 T 401 R 25E San Juan Co., Utah CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Deepen Production (Start/Resume) Water Shut-off X Notice of Intent \_\_ Acidize ] Reclamation Well Integrity Fracture Treat Altering Casing New Construction Recomplete Casing Repair Subsequent Report Temporarily Abandon Plug and abandon Change Plans Returned to sales Convert to Injection Plug back Water Disposal Final Abandonment Notice 13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to sales on Friday, February 27, 2009.

RECEIVED MAR 1 2 2009

DIV. OF OIL, GAS & MINING

 $\mathcal{C}\mathcal{M}\setminus$ 

14. I hereby certify that the foregoing is true and correct.		
Name (Printed/ Typed)		
Kenneth J Kundrik	l'itle	Operations Engineer
Signatura Tulma The far Kenneth TKundrik I	Date	3/2/2009
THIS SPACE FOR FEDE	RAL OR STAT	TE OFFICE USE
	Title	Date
Approved by  Conditions of approval, if any are attached. Approval of this notice does not warrant or	- Inte	Dans
continuous or approval, and are accurated represent to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	ACCEPTED FOR RECORD
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any	person knowingly	and willfully to make any department or agency of the United
States any false, fictitiousor fraudulent statements or representations as to any matter with	in its jurisdiction.	MAD 0 0 2000
(Instruct	tions on reverse)	
		FATOMING I CARROLL OF THE

LTAH ---OCD

Form 3160- 5 (April 2004)

KR

# UNITED STATES DEPARTMENT OF THE INTERIOR FIVE D BUREAU OF LAND MANAGEMENT

FOI	(M APPRO	VED
OM	B No. 1004-	0135
Trees	race Inter 21	2010

SUNDRY NOTICES AND REPORTS ON WELL'S 03

 Lease Serial No. NOG 8707-1170

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

6. If Indian, Allottee, or Tribe Name
The Navaio Nation

ave	inavnea weil. Ose Form 510	A MI TO IN SHAPE	A Section Committee the Section of the Committee of the C		THE MANAGE TANKENT
SUBMIT IN TRIPLICATE - Other Instructions on reverse side					Agreement Designation
Type of Well     Oil Well     Gas Well	8. Well Name ar	nd No.			
2. Name of Operator				Runway 10G-1	
RIM Southwest Corp.				<ol><li>API Well No.</li></ol>	
3a. Address		3b. Phone No. (inch.	ıde area code)		43-037-31515
5 Inverness Drive East,	Englewood CO 80112	303-7	99-9828	10. Field and Po	ol, or Exploratory Area
4. Location of Well (Footage, Sec., T.,	R., M., or Survey Description)		· · · · · · · · · · · · · · · · · · ·		Greater Aneth
1710 FNL & 2450 FEL) SWNE sec 10		11. County or Parish, State			
••••••••••••••••••••••••••••••••••••••		San Juan Co., Utah			
12. CHECK APPROP	PRIATE BOX(S) TO IND	ICATE NATURE OF	NOTICE, REPOR	T, OR OTHE	R DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
Notice of Intent	Acidize	Deepen	Production ( St	tart/Resume)	Water Shut-off
_	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		X Other
	Change Plans	Plug and abandon	Temporarily A	bandon	Returned to production
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposa	1	
	27 21 1 1 1 1 1 1 1	details including actimated ats	ting data of our propose	ad work and army	vimate duration thereof

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Returned to production on Friday, May 15, 2009 at 3:00 p.m.

RCVD MAY 28 '09 OIL CONS. DIV.

DIST. 3

## RECEIVED

		11 184 7 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14. I hereby certify that the foregoing is true and correct.		JUN 2 2 2009
Name (Printed/Typed)  Kenneth J Kundrik	Title Opt	9Fa9UnS4Ingideeng
Signature Thelmar Der fan Kenneth J. Kundrik I	Date	5/18/20/ACCEPTED FOR RECORD
	RAL OR STATE OFFICE USE	MAY 2 6 2009
Approved by	Title	1
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	FARMINGTON FIELD OFFICE BY
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictibinger fraudulent statements or representations as to any matter with	person knowingly and willfully to make a in its jurisdiction.	ny department or agency of the United

(Instructions on reverse)

# Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

The operator of the well(s) listed below has changed, effective:    ROM: (Old Operator):   N2550- Navajo Nation Oil & Gas Company	X - Change of Operator (Well Sold	1)	Operator Na	ame Char	nge/Merger			
N1715- RIM Southewest Corp P.O. Box 2058 Phone: 1 (505) 327-5531  CA No. Unit: N/A  WELL NAME SEC TWN RNG API NO ENTITY LEASE TYPE WELL TYPE STATION See Attached List  OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 9/19/2012 2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/19/2012 3. The new company was checked on the Department of Commerce, Division of Corporations Databases on: 12/11 4. Is the new operator registered in the State of Utah: Business Number: 7407010-0147 5. (R649-8-2)Waste Management Plan has been received on: Requested 5. Inspections of LA PA state/fee well sites complete on: N/A 5. (R649-9-2)Waste Management Plan has been received on: BLM BlA 5. (R649-BLM or BlA has approved the successor of unit operator for wells listed on: N/A 5. Federal and Indian Lease Wells: The BLM and or the BlA has approved the merger, name change, or operator change for all wells listed on Federal or indian leases on: BLM BlA 5. Federal and Indian Communization Agreements ("CA"): The BLM or BlA has approved the operator for all wells listed within a CA on: N/A  9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on: 12/11/2012 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 12/11/2012 3. Bond information entered in RBDMS on: 12/11/2012 4. Fee/State wells attached to bond in RBDMS on: N/A 5. Injection Projects to new operator in RBDMS on: N/A 5. Federal well(s) covered by Bond Number: N/A	The operator of the well(s) listed below has of							
CA No.   Unit:   N/A	N1715- RIM Southewest Corp P.O. Box 2058	TO: ( New Operator): N2550- Navajo Nation Oil & Gas Company 1675 Broadway, Suite 1000						
WELL NAME    Sec Attached List   Sec TWN RNG   API NO   ENTITY   LEASE TYPE   WELL   TYPE   STATE	Phone: 1 (505) 327-5531		Phone: 1 (303)	534-8300				
See Attached List    NO   TYPE   STATE	CA !	No.	Unit:		<b>N</b> /.	A		
OPERATOR CHANGES DOCUMENTATION  Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 9/19/2012  2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/19/2012  3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 12/11  4a. Is the new operator registered in the State of Utah: Business Number: 7407010-0147  5a. (R649-9-2)Waste Management Plan has been received on: Requested  5b. Inspections of LA PA state/fee well sites complete on: N/A  5c. Reports current for Production/Disposition & Sundries on: 12/11/2012  6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA  7. Federal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for wells listed on: N/A  8. Federal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for all wells listed within a CA on: N/A  9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on: 12/11/2012  2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 12/11/2012  3. Bond information entered in RBDMS on: 12/11/2012  4. Fee/State wells attached to bond in RBDMS on: 12/11/2012  5. Injection Projects to new operator in RBDMS on: N/A  BOND VERIFICATION:  1. Federal well(s) covered by Bond Number: N/A		SEC TWN RN	G API NO		LEASE TYPE	ľ	WELL STATUS	
Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 9/19/2012  2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/19/2012  3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 12/11  4a. Is the new operator registered in the State of Utah: Business Number: 7407010-0147  5a. (R649-9-2)Waste Management Plan has been received on: Requested  5b. Inspections of LA PA state/fee well sites complete on: N/A  5c. Reports current for Production/Disposition & Sundries on: 12/11/2012  6. Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA  7. Federal and Indian Units:  The BLM or BIA has approved the successor of unit operator for wells listed on: N/A  8. Federal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for all wells listed within a CA on: N/A  9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A  DATA ENTRY:  2. Changes entered in the Oil and Gas Database on: 12/11/2012  2. Changes nave been entered on the Monthly Operator Change Spread Sheet on: 12/11/2012  3. Bond information entered in RBDMS on: 12/11/2012  4. Fee/State wells attached to bond in RBDMS on: N/A  5. Injection Projects to new operator in RBDMS on: N/A  8. Federal well(s) covered by Bond Number: N/A	See Attached List							
7. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: N/A  8. Federal and Indian Communization Agreements ("CA"): The BLM or BIA has approved the operator for all wells listed within a CA on: N/A  9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A  DATA ENTRY: 1. Changes entered in the Oil and Gas Database on: 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3. Bond information entered in RBDMS on: 12/11/2012 4. Fee/State wells attached to bond in RBDMS on: N/A  5. Injection Projects to new operator in RBDMS on: 12/11/2012 6. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A  BOND VERIFICATION: 1. Federal well(s) covered by Bond Number: N/A	Enter date after each listed item is completed.  1. (R649-8-10) Sundry or legal documentation.  2. (R649-8-10) Sundry or legal documentation.  3. The new company was checked on the Dep. 4a. Is the new operator registered in the State. (R649-9-2) Waste Management Plan has been 5b. Inspections of LA PA state/fee well sites considered in the State. Reports current for Production/Disposition.  5c. Reports current for Production/Disposition.  6. Federal and Indian Lease Wells: The	n was received from to mas received from to the master of Commerce of Utah: en received on: complete on: & Sundries on: e BLM and or the BLA	he NEW operator  ce, Division of Co  Business Numb  Requested  N/A  12/11/2012  A has approved the	on: orporation oer:	9/19/2012 s Database on: 7407010-0147		12/11/2012	
The BLM or BIA has approved the successor of unit operator for wells listed on:  **Rederal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for all wells listed within a CA on:  **N/A*  9. **Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  **N/A*  **DATA ENTRY:**  1. **Changes entered in the Oil and Gas Database on:  2. **Changes have been entered on the Monthly Operator Change Spread Sheet on:  3. **Bond information entered in RBDMS on:  4. **Fee/State wells attached to bond in RBDMS on:  5. **Injection Projects to new operator in RBDMS on:  6. **Receipt of Acceptance of Drilling Procedures for APD/New on:  **BOND VERIFICATION:**  1. **Federal well(s) covered by Bond Number:  **N/A*  **N/A*  **N/A*  **N/A*		ederal or Indian leases	s on:	BLM	_	BIA	_	
8. Federal and Indian Communization Agreements ("CA"):  The BLM or BIA has approved the operator for all wells listed within a CA on:  9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on: 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3. Bond information entered in RBDMS on: 4. Fee/State wells attached to bond in RBDMS on: 5. Injection Projects to new operator in RBDMS on: 6. Receipt of Acceptance of Drilling Procedures for APD/New on:  BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:  N/A		<b>6</b> •			-7/4			
The BLM or BIA has approved the operator for all wells listed within a CA on:  9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on:  2. Changes have been entered on the Monthly Operator Change Spread Sheet on:  3. Bond information entered in RBDMS on:  4. Fee/State wells attached to bond in RBDMS on:  5. Injection Projects to new operator in RBDMS on:  6. Receipt of Acceptance of Drilling Procedures for APD/New on:  N/A  BOND VERIFICATION:  1. Federal well(s) covered by Bond Number:  N/A		•			N/A			
9. Underground Injection Control ("UIC") Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on: 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3. Bond information entered in RBDMS on: 4. Fee/State wells attached to bond in RBDMS on: 5. Injection Projects to new operator in RBDMS on: 6. Receipt of Acceptance of Drilling Procedures for APD/New on:  N/A  BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:  N/A		•	•		NI/A			
Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A  DATA ENTRY:  1. Changes entered in the Oil and Gas Database on: 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3. Bond information entered in RBDMS on: 4. Fee/State wells attached to bond in RBDMS on: 5. Injection Projects to new operator in RBDMS on: 6. Receipt of Acceptance of Drilling Procedures for APD/New on:  BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:  N/A				orm 5 Trai		ity to		
DATA ENTRY:  1. Changes entered in the Oil and Gas Database on:  2. Changes have been entered on the Monthly Operator Change Spread Sheet on:  3. Bond information entered in RBDMS on:  4. Fee/State wells attached to bond in RBDMS on:  5. Injection Projects to new operator in RBDMS on:  6. Receipt of Acceptance of Drilling Procedures for APD/New on:  8						-		
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3. Bond information entered in RBDMS on: 4. Fee/State wells attached to bond in RBDMS on: 5. Injection Projects to new operator in RBDMS on: 6. Receipt of Acceptance of Drilling Procedures for APD/New on:  BOND VERIFICATION: 1. Federal well(s) covered by Bond Number:  N/A		, , , , ,	, , , , , , , , , , , , , , , , , , , ,	(-)			_	
BOND VERIFICATION:  1. Federal well(s) covered by Bond Number:  N/A	<ol> <li>Changes have been entered on the Monthly</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS</li> <li>Injection Projects to new operator in RBDM</li> </ol>	y Operator Change S S on: MS on:	Spread Sheet on: 12/11/2102 N/A		12/11/2012			
1. Federal well(s) covered by Bond Number: N/A		cs for APD/New off.		IN/A	-			
3a. (R649-3-1) The NEW operator of any state/fee well(s) listed covered by Bond Number  N/A  N/A  N/A	<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any state</li> </ol>		RLB0006712 vered by Bond Nu		N/A			
LEASE INTEDEST OWNED MOTIFICATION.	I EACE INTEDECT OWNED MOTOR	ZICATIONI.						
LEASE INTEREST OWNER NOTIFICATION:  4. (R649-2-10) The NEW operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  N/A	4. (R649-2-10) The <b>NEW</b> operator of the fee w	ells has been contacte			om the Division			
COMMENTS:								

### RIM Southwest Corp (N1715) to Navajo Nation Oil Gas Company (N2550) Effective 8/1/2012

Wall Name	Soc	т\\/D	DNC	API Number	Entity	Lagge	Well Type	Well Status
Well Name	<del> </del>	<del></del>						
SAHGZIE 1	05	420S		4303731472	11032		OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S

#### **STATE OF UTAH**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

		DIV	ISION OF OIL,	GAS AND MI	NING		5. LEASE D	ESIGNATION AND SERIAL NUMBER:
	SUNDR	Y N	OTICES AN	D REPORTS	S ON WEL	.LS	6. IF INDIAN	, ALLOTTEE OR TRIBE NAME:  Navajo
Do	not use this form for proposals to drill I	new we	ells, significantly deepen	existing wells below cur	rent bottom-hole de	pth, reenter plugged wells, or to	7. UNIT or C	A AGREEMENT NAME:
1. T	YPE OF WELL OIL WELL		GAS WELL		orm for such propos	als.	8. WELL NA	ME and NUMBER:  Runway 10G #1
2. N	IAME OF OPERATOR:						9. API NUM	
	Navajo Nation Oil ar	nd G	as Company					43-037-31515
3. A	DDRESS OF OPERATOR:  P. O. Box 5069	w	indow Rock	STATE AZ DE	86515	PHONE NUMBER: 303-534-8300	10. FIELD A	ND POOL, OR WILDCAT:  Greater Aneth
	OCATION OF WELL	ENI	L & 2450 FEL				COUNTY:	San Juan
F	OOTAGES AT SURFACE: 1710	FINI	L & 2450 FEL				COOM1.	Jan Juan
C	NTR/QTR, SECTION, TOWNSHIP, RAI	NGE, M	IERIDIAN: SW NE	sec. 10 T40S	R25E		STATE:	UTAH
11.	CHECK APP	ROF	PRIATE BOXES	S TO INDICAT	E NATURE	OF NOTICE, REPO	ORT, OR C	THER DATA
	TYPE OF SUBMISSION					YPE OF ACTION		
	NOTICE OF INTENT	T	ACIDIZE		DEEPEN		RE	PERFORATE CURRENT FORMATION
Ш	NOTICE OF INTENT (Submit in Duplicate)		ALTER CASING		FRACTUR	E TREAT		ETRACK TO REPAIR WELL
	Approximate date work will start:		CASING REPAIR		☐ NEW CON	STRUCTION	TE	MPORARILY ABANDON
			CHANGE TO PREVIO	DUSPLANS	X OPERATO	R CHANGE	TU	BING REPAIR
			CHANGE TUBING		PLUG AND	ABANDON	VE	NT OR FLARE
X	SUBSEQUENT REPORT	1	CHANGE WELL NAM	1E	PLUG BAC	ж	☐ WA	TER DISPOSAL
	(Submit Original Form Only)	厅	CHANGE WELL STA	T∪S	PRODÚCT	ION (START/RESUME)	☐ WA	TER SHUT-OFF
	Date of work completion:	厅	COMMINGLE PRODU	JCING FORMATIONS	RECLAMA	TION OF WELL SITE	🔲 от	HER:
		IF	CONVERT WELL TY	PE	RECOMPL	ETE - DIFFERENT FORMATION	١	
12.	DESCRIBE PROPOSED OR C	OMDI	ETED OPERATION:	S Clearly show all I	nertinent details is	ncluding dates, depths, volu	mes. etc.	
	Navajo Nation Oil a operations associate provided by Navajo	nd G ed w Nati pora	as Company or ith this application Oil and Gas tion the previous 1, 2012	ertifies that it ation. Bond co Company wi	is authorize overage pur th their BIA nereby name	d by the proper leasuant to 43CFR3104 Bond RLB0014524. es Navajo Nation O	se interest 4 for lease il and Gas	cowners to conduct activities is being  Company as successor
	RENE' MORIN, VICE			a the same			Nanu	

APPROVED

DEC 1 1 2012

(This space for State use only)

## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)			Operator Na	ame Chang	ge/Merger		
The operator of the well(s) listed below has cha	nged, effect	tive:			8/1/2010		
FROM: (Old Operator):			<b>TO:</b> ( New O	perator):			
N2550- Navajo Oil & Gas Cp.			N3930- NNOC	C Explorati	ion & Production	ı, LLC	
1625 Broadway, Suite 1100			1625 Broadwa	y, Suite 100	0		
Denver, CO 80202			Denver, CO 80	202			
Phone: 1 (303) 534-8300			Phone: 1 (303)	534-8300			
CA No.	<del></del>		Unit:	N/A			
WELL NAME	SEC TW	'N	API NO	ENTITY	LEASE	WELL	WELL
WEEL TANKE	RNG			NO	TYPE	TYPE	STATUS
See Attached List							
<ol> <li>OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed</li> <li>(R649-8-10) Sundry or legal documentation v</li> <li>(R649-8-10) Sundry or legal documentation v</li> <li>The new company was checked on the Depart</li> <li>Is the new operator registered in the State of</li> <li>(R649-9-2) Waste Management Plan has been s</li> <li>Inspections of LA PA state/fee well sites com</li> <li>Reports current for Production/Disposition &amp;</li> <li>Federal and Indian Lease Wells: The B or operator change for all wells listed on Federal and Indian Units:         <ul> <li>The BLM or BIA has approved the successed</li> </ul> </li> <li>Federal and Indian Communization A operator</li> <li>The BLM or BIA has approved the operator</li> </ol>	vas received vas received thent of Coutah: received on plete on: Sundries or LM and or the total or India or of unit opgreements	the BIA n leases	e NEW operators, Division of Caroliness Number 12/31/2102 12/31/2012 has approved the on:  or wells listed of Caroliness Number 12/31/2012 has approved the on:	r on: Corporation ber: e merger, na	8399948-0165	- - BIA	
9. Underground Injection Control ("UIC				orm 5 Tran		- ity to	
Inject, for the enhanced/secondary recovery u						N/A	
DATA ENTRY:	iiiii project	101 1110 1	vater anspesar	•11(0) 11000 0			_
<ol> <li>Changes entered in the Oil and Gas Databas</li> <li>Changes have been entered on the Monthly O</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS O</li> <li>Injection Projects to new operator in RBDMS</li> <li>Receipt of Acceptance of Drilling Procedures</li> </ol>	Operator Con: on:		12/31/2102 pread Sheet on 12/31/2012 12/31/2012 12/31/2012	12/31/2012	<u>12/31/2012</u>	-	
BOND VERIFICATION:							
<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any state/</li> <li>The FORMER operator has requested a release</li> </ol> LEASE INTEREST OWNER NOTIFICATION OF The NEW operator of the fee well	se of liabili	ity from	their bond on:	N/A	N/A	-	
4. (R649-2-10) The <b>NEW</b> operator of the fee wel of their responsibility to notify all interest own				by a letter fi N/A	roin the Division		
COMMENTS:	or or uns c	mange 0	111	. 1/22			

### Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930) Effective 8/1/2012

			İ				Well	Well
   Well Name	Sec	TWP	RNG	API	Entity	Lease	Туре	Status
TOHONADLA 26-OSCAR	26			4303750022			OW	APD
TOHONADLA 35-F	35			4303750024		Indian	ow	APD
TOHONADLA 2-G	02			4303750027		Indian	OW	APD
TOHONADLA 2-B	02			4303750028		Indian	OW	APD
TOHONADLA 1-C	01			4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02			4303750030		Indian	ow	APD
TOHONADLA 1-F	01			4303750031		Indian	OW	APD
TOHONADLA 2-H	02			4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01			4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35			4303750034		Indian	ow	APD
TOHONADLA 35-J	35			4303750035		Indian	OW	APD
UTE CANYON 25G-O	25			4303731913		Indian	OW	DRL
TOHONADLA 35-B	35			4303750023				DRL
UTE CYN 23-INDIGO	23			4303731880		Indian		LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05			4303731478				P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian		P
MONUMENT 8N-2	08	1	1	4303731509				P
RUNWAY 10G-1	10			4303731515				P
LONE MOUNTAIN CREEK 12F-1	12			4303731545				P
RUNWAY 10E-2	10			4303731550				P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian		P
TOHONADLA 2-35	35		1	4303731568				P
ANASAZI 5L-3	05			4303731572				P
BROWN HOGAN 1A-2	01			4303731573				P
MULE 31K (N)	31			4303731617				P
BURRO 31I	31			4303731708				P
MULE 31M	31			4303731710			OW	P
ANASAZI 6H-1	06			4303731744			OW	P
TOHONADLA 35-P	35			4303750005			ow	P
TOHONADLA 1-E	01			4303750006				P
NAVAJO TRIBAL 41-2	02			4303731041				PA
MONUMENT 17E-2	17			4303731547				S
RUNWAY 10C-5A	10			4303731597				S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

#### NAVAIO NATION OIL & GAS COMPANY

#### **EXPLORATION & PRODUCTION LLC**

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining c/o Rachel Medina 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

RECEIVED SEP 1 9 2012

RE: Change of Operator Name and Address for Wells

DIV. OF OIL, GAS & MINING

Dear Rachel.

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

- 1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
- 2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.

1675 Broadway, Suite 1100

Denver, CO 80202

(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC

1625 Broadway, Suite 1000

Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

Katie Hynes

Associate Landman

Katil Hynor

This space for State use only)	DEC	3 1 2012	RECEIVED
SIGNATURE XULLI	Terminaria PPF	ROVED 4/19	1/12
NAME (PLEASE PRINT) Lauren C	Serminario	TITLE Land Man	ager
Effective Jul	4 10,3010		
•	Bond No. RI	-B0006712	Ť
The new Entity is:	NNOGC Explorati 1625 Broadway, S Denver, CO 802	00	gm No.: <u>3930</u>
-	for the LLC is: 8399948-0165.		
The Navajo Nation Oil ar change applies to all wel	Is currently operated by DOGN N	entity with the State of Uta	ah. The Operator Name and Address
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FO	
Date of work completion:	CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS	PRODUCTION (START/RESUME RECLAMATION OF WELL SITE	) WATER SHUT-OFF  OTHER:
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
	CHANGE TO PREVIOUS PLANS  CHANGE TUBING	OPERATOR CHANGE PLUG AND ABANDON	TUBING REPAIR VENT OR FLARE
(Submit in Duplicate)  Approximate date work will start:	ALTER CASING  CASING REPAIR	FRACTURE TREAT  NEW CONSTRUCTION	TEMPORARILY ABANDON
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
TYPE OF SUBMISSION	PROPRIATE BOXES TO INDICA	TYPE OF ACTION	
CHECK ADI	PROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE	
QTR/QTR, SECTION, TOWNSHIP, RA			STATE: UTAH
4. LOCATION OF WELL FOOTAGES AT SURFACE: See			county: San Juan
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1100	Denver STATE CO ZI		
Navajo Nation Oil & Gas	Co.	PHONE NUMBER:	Various  10. FIELD AND POOL, OR WILDCAT:
OIL WELI	GAS WELL OTHER		See Attached  9. API NUMBER:
drill horizonta	laterals. Use APPLICATION FOR PERMIT TO DRILL	torm for such proposals.	8. WELL NAME and NUMBER:
	I new wells, significantly deepen existing wells below cu		Navajo Nation 7. UNIT or CA AGREEMENT NAME:
SUNDR	Y NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	DIVISION OF OIL, GAS AND M		5. LEASE DESIGNATION AND SERIAL NUMBER: See Strached
	STATE OF UTAH DEPARTMENT OF NATURAL RESOU	IDCES	

BY: Rachel Medina (See Instructions on Reverse Side)

DIV. OIL GAS & MINING .

DIV. OF OIL, GAS & MINING

SEP 1 7 2012

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

		DIVISION OF OIL,	GAS AND M	ININ	G		1 -	ASE DESIGNATION AND SERIAL NUMBER:
	SUNDRY	Y NOTICES AND	REPORT	s o	N WEL	LS		ndian, allottee or tribe name: vajo Nation
Do	not use this form for proposals to drill r drill horizontal l	new wells, significantly deepen e	existing wells below co	irrent bo	ottom-hole dep	th, reenter plugged wells, or to	7. UN	T or CA AGREEMENT NAME:
	YPE OF WELL OIL WELL			10111710	duoi, proposs		8. WE	ELL NAME and NUMBER:
	AME OF OPERATOR:	Co						NUMBER:
	avajo Nation Oil & Gas (	<u> </u>				PHONE NUMBER:		ELD AND POOL, OR WILDCAT:
P.C	). Box 5069 <sub>CIT</sub>	Y Window Rock	STATE AZ	<sub>3</sub> 865	15	(303) 534-8300	Va	rious
	OCATION OF WELL OOTAGES AT SURFACE:						COUN	ту: San Juan
Q.	TR/QTR, SECTION, TOWNSHIP, RAN	√GE, MERIDIAN:					STATE	: UTAH
11.	CHECK APPI	ROPRIATE BOXES	TO INDICA	TE N	ATURE	OF NOTICE, REF	ORT, C	R OTHER DATA
	TYPE OF SUBMISSION				T	YPE OF ACTION		
	NOTICE OF INTENT	ACIDIZE			DEEPEN			REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)	ALTER CASING			FRACTURE	TREAT		SIDETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR			NEW CONS			TEMPORARILY ABANDON
		CHANGE TO PREVIOU	JS PLANS	<u></u>	OPERATOR		닏	TUBING REPAIR
<b>17</b> 1	OURSES VENT DEDORT	CHANGE TUBING			PLUG AND A			VENT OR FLARE
Z	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME			PLUG BACK			WATER DISPOSAL
	Date of work completion:	CHANGE WELL STATE				ON (START/RESUME)	닐	WATER SHUT-OFF
		COMMINGLE PRODUC				ON OF WELL SITE	 	OTHER:
		CONVERT WELL TYPE		<u> </u>		TE - DIFFERENT FORMATIC		
12.	DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS.	Clearly show all	pertine	nt details inc	cluding dates, depths, volu	umes, etc.	
to a	e Navajo Nation Oil & G all the wells that have re 550)							and address change applies & Gas Co. (DOGM No.
The	e Utah Entity Number fo	or the LLC is: 8399	948-0165					
No	te: A new DOGM No.	, has been applied fo	or NNOGC E	xplor	ation and	d Production, LLC		
Ple	ease see the attached li	st of wells that will r	now be opera	ted b	y:	NNOGC Explora 1625 Broadway, Denver, CO 802	Suite 10	Production, LLC 00
All	of these wells are cove	red by Bond No. RL	.B0006712					
E£	fective: Aug	1,3012		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
NAME	(PLEASE PRIMI) Lauren Ge	rminario			TITLE	Land Manager		The contribution of the co
		kuminaw	-		DATE	9/18/2012		
This sp	ace for State use only)	PROVED	<u> </u>					proeiveo

DIV. OIL GAS & MINING BY: Rachel Medina SEP 1 C 2002

Sundry Number: 33278 API Well Number: 43037315150000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	STATE OF UTAH			FORM	19
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI	-		5.LEASE DESIGNATION AND SERIAL NUMBE NOG-8707-1170	R:
	RY NOTICES AND REPORTS		_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO	
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizon n for such proposals.			7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: RUNWAY 10G-1	
2. NAME OF OPERATOR: NAVAJO NATION OIL & GAS	S CO			<b>9. API NUMBER:</b> 43037315150000	
3. ADDRESS OF OPERATOR: P.O. Box 4439, Window Re	ock, AZ, 86515 303 5		NE NUMBER: 00 Ext	9. FIELD and POOL or WILDCAT: RUNWAY	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1710 FNL 2450 FEL				COUNTY: SAN JUAN	
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWNE Section:	HIP, RANGE, MERIDIAN: 10 Township: 40.0S Range: 25.0E Meri	idian: S	S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE	A	LTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	□ c	HANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	□ c	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	F	RACTURE TREAT	☐ NEW CONSTRUCTION	
12/10/2012	OPERATOR CHANGE	□ P	LUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	□ R	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	□s	IDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	✓ v	ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF	□s	I TA STATUS EXTENSION	APD EXTENSION	
	WILDCAT WELL DETERMINATION		THER	OTHER:	
40.000000000000000000000000000000000000				Į.	
	COMPLETED OPERATIONS. Clearly shown vent December 10, 2012 d	-	<del>-</del>	Accepted by the	
Well is 6/1, wellt of	to sales line.	auc ii	o operational issues	Utah Division of Oil, Gas and Mining	
				Date: January 23, 2013	
				By: Dod K Quit	
NAME (PLEASE PRINT)	PHONE NUMI	BER	TITLE		_
Lauren Germinario	303 534-8300		Land Manager		
SIGNATURE N/A			<b>DATE</b> 12/26/2012		

Sundry Number: 33278 API Well Number: 43037315150000

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

FORM 9

	Ι	ΟIVI	SION OF OIL, GAS AND MI	NIN	3			SE DESIGNATION AND SERIAL NUMBER:
	SUNDRY	NO	OTICES AND REPORTS	5 0	N WEL	LS	10000 0000 0000	DIAN, ALLOTTEE OR TRIBE NAME: /AJO
Do	not use this form for proposals to drill no	w wei	Ils, significantly deepen existing wells below cur	rrent bo	tom-hole dept	h, reenter plugged wells, or to	7. UNI	For CA AGREEMENT NAME:
1. T	YPE OF WELL OIL WELL		GAS WELL OTHER		SCESI (POCHUSA		0-04-00-	L NAME and NUMBER:
2 N	AME OF OPERATOR:	_		_			100	ATTACHED NUMBER
	OGC EXPLORATION	\NE	PRODUCTION, LLC					ACHED
100	DDRESS OF OPERATOR: D. BOX 4439	WI	NDOW ROCK STATE AZ ZIP	865	15	PHONE NUMBER: (303) 538-8300		ED AND POOL, OR WILDCAT:
	OCATION OF WELL		STATE - ZIP			(000) 000 0000		
F	OOTAGES AT SURFACE:						COUNT	ry: <b>SAN JUAN</b>
Q	TRAQTR, SECTION, TOWNSHIP, RANG	3E, M	ERIDIAN:				STATE	ŧ
						9		UTAH
11.	CHECK APPE	ROF	PRIATE BOXES TO INDICAT	ΓE N	ATURE (	OF NOTICE, REPO	RT, O	R OTHER DATA
	TYPE OF SUBMISSION			_	ת	PE OF ACTION		
	NOTICE OF INTENT		ACIDIZE		DEEPEN			REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)	빋	ALTER CASING	Ш	FRACTURE	TREAT	므	SIDETRACK TO REPAIR WELL
	Approximate date work will start:		CASING REPAIR		NEW CONS	TRUCTION		TEMPORARILY ABANDON
			CHANGE TO PREVIOUS PLANS		OPERATOR	CHANGE		TUBING REPAIR
_			CHANGE TUBING		PLUG AND A	NEANDON		VIENT OR FLARE
	SUBSEQUENT REPORT (Submit Original Form Only)		CHANGE WELL NAME		PLUG BACK			WATER DISPOSAL
	Date of work completion:		CHANGE WELL STATUS		PRODUCTIO	IN (STARTIRESUME)		WATER SHUT-OFF
	Desp of work component.		COMMINGLE PRODUCING FORMATIONS		RECLAMATI	ON OF WELL SITE		OTHER:
			CONVERT WELL TYPE		RECOMPLE	TE - DIFFERENT FORMATION		
PL	EASE SEE ATTACHED	LIS	ETED OPERATIONS. Clearly show all post of the control of the contr	URR	ENTLY	VENTING. THE LIS		WELLS WILL BE VIENTING
	NE (PLEASE PRINTI) LAUREN (	a	RMINARIO		TITLI	1/18/2013	₹	
This s	pace for Spate use only)	<del></del>						

(5/2000)

(See Instructions on Reverse Side)

Attachment to Form 9

API	Well Name	Туре	Lease	Field	County	T-R	Section	Section Activity	MCF/day (avg)	
43-037-31472 SAHGZIE 1	SAHGZIE 1	OII Well	NOG-8702-1162	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	ol	Well does not produce gas
43-037-31478 ANASAZI 1	ANASAZI 1	OII Well	NOG-8702-1162	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	17	
43-037-31497	43-037-31497 CAJON MESA 8D-1	OII Well	NOOC-1420-5297	CAJON MESA	SAN JUAN	40S-25E	8	S/I , on vent 12/10/12	8	
43-037-31509	43-037-31509 MONUMENT 8N-2	OII Well	NOOC-1420-5297	MONUMENT	SAN JUAN	40S-25E	8	S/I , on vent 12/10/12	11	
43-037-31515 RUNWAY 10G-1	RUNWAY 10G-1	Oil Well	NOG-8707-1170	RUNWAY	SAN JUAN	40S-25E	10	S/I , on vent 12/10/12	3	
43-037-31547	43-037-31547 MONUMENT 17E-2	OII Well	NOG-8707-1191	MONUMENT	SAN JUAN	40S-25E	17	S/I , on vent 12/10/12	0	Well is currently s/i
43-037-31550 RUNWAY 10E-2	RUNWAY 10E-2	Gas Well	NOG-8707-1190	RUNWAY	SAN JUAN	40S-25E	10	S/I , on vent 12/10/12	19	
43-037-31562	43-037-31562 BLUE HOGAN 1J-1	Oil Well	NOG-8707-1206	DESERT CREEK	SAN JUAN	42S-23E	1	on vent 12/24/12	8	
43-037-31572 ANASAZI 5L-3	NASAZI 5L-3	Oil Well	NOG-8707-1163	GREATER ANETH	SAN JUAN	42S-24E	5	on vent 12/24/12	6	
43-037-31573	43-037-31573 BROWN HOGAN 1A-2	Oil Well	NOG-8707-1206	DESERT CREEK	SAN JUAN	42S-23E	1	on vent 12/24/12	8	
43-037-31617 MULE 31K (N)	MULE 31K (N)	Oil Well	NOG-8707-1231	DESERT CREEK	SAN JUAN	41S-24E	31	on vent 12/24/12	1	
43-037-31710 MULE 31M	MULE 31M	Oil Well	NOG-8707-1231	DESERT CREEK	SAN JUAN	41S-24E	31	on vent 12/24/12	8	
43-037-31744 ANASAZI 6H-1	NASAZI 6H-1	Oil Well	NOG-8707-1163	GREATER ANETH	SAN JUAN	42S-24E	6	on vent 12/24/12	0	O Well does not produce gas

The listed wells will be on vent for a minimum of 2 months pending repairs to the Anadarko line.

NOTE: